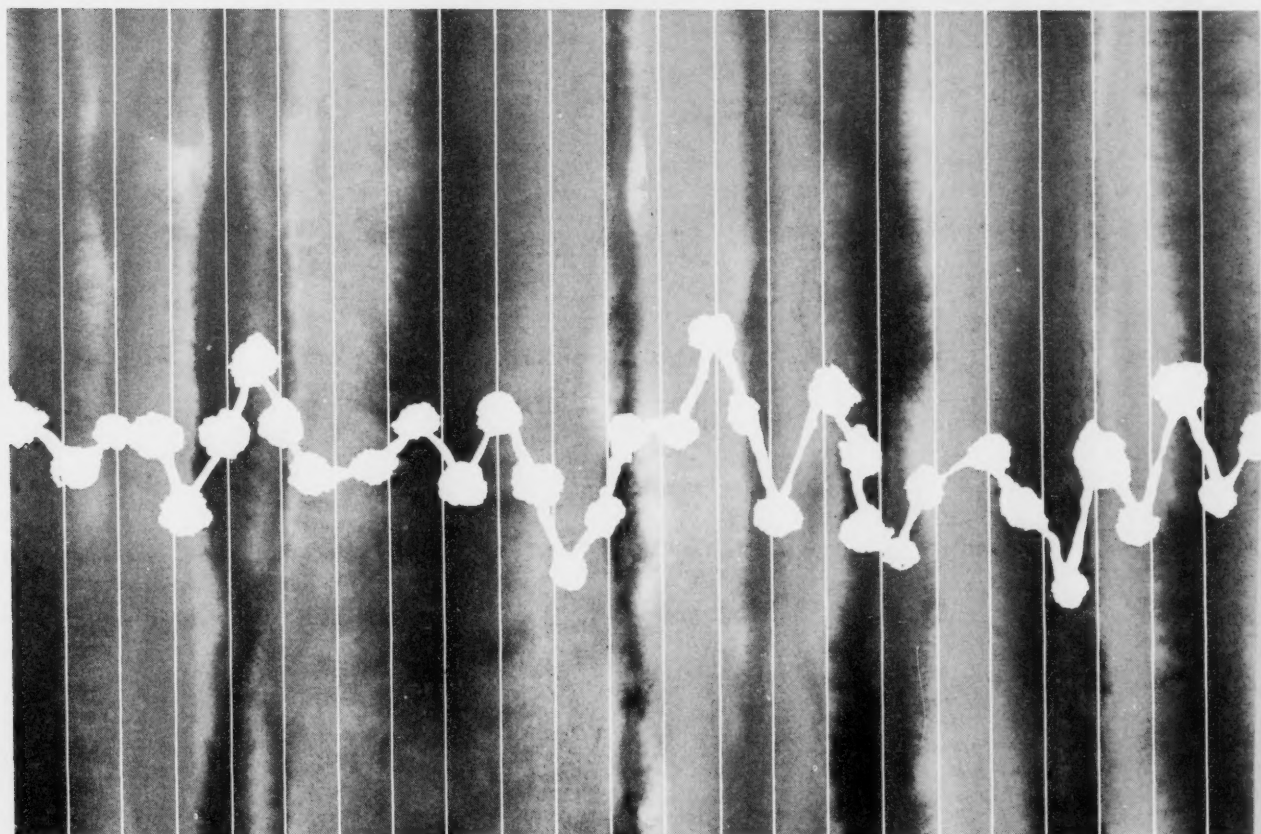


defense indicators

JULY 1975



U.S. DEPARTMENT OF COMMERCE • BUREAU OF ECONOMIC ANALYSIS



This report was prepared in the Statistical Indicators Division, Bureau of Economic Analysis. Technical staff and their responsibilities for the publication are—

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Morton Somer—Selection of seasonal adjustment methods,

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The Secretary of Commerce has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through September 1, 1975.

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James L. Pate, Assistant Secretary
for Economic Affairs

BUREAU OF ECONOMIC ANALYSIS

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defense indicators

July 1975

Series ES4 No. 75-7

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6 BEA PROJECTS

for economic
analysis

BUSINESS CONDITIONS DIGEST A monthly report for analyzing economic fluctuations over a short span of years.

This report brings together approximately 600 economic time series in a form convenient for analysts whether their approach to the study of current business conditions and prospects is the national income model, the leading indicators, anticipations and intentions, or a combination of these. Other types of data such as foreign trade, Federal Government activities, and international series are included to facilitate a more complete analysis.

Data are presented in charts and tables. Appendixes provide historical data, series descriptions, seasonal adjustment factors, and measures of variability. A computer tape containing data for most of the series is available for purchase.

DEFENSE INDICATORS A monthly report for analyzing the current and prospective impact of defense activity on the national economy.

This report brings together the principal time series on defense activities which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. The approximately 60 time series included are grouped in accordance with the time at which the activities they measure occur in the defense order-production-delivery process. Charts and analytical tables facilitate interpretation.

LONG TERM ECONOMIC GROWTH A report for the study of economic trends over a long span of years, 1860-1970.

This report has been developed from available statistics to provide a comprehensive, long-range view of the U.S. economy. It is a basic research document for economists, historians, investors, teachers, and students. It brings together under one cover, in meaningful and convenient form, the complete statistical basis for a study of long-term economic trends. A computer tape file of the time series included in the report is available for purchase.

COMPUTER PROGRAMS FOR TIME SERIES ANALYSIS The source statements for FORTRAN IV programs used by B E A in its analysis of time series are available on a single computer tape.

SEASONAL ADJUSTMENT PROGRAMS.—Two variants of the Census computer program for measuring and analyzing seasonal, trading-day, cyclical, and irregular fluctuations. They are particularly useful in analyzing economic fluctuations which take place within a year. The X-11 variant is used for adjusting monthly data and the X-11Q for quarterly data. These programs make additive as well as multiplicative adjustments and compute many summary and analytical measures.

DIFFUSION INDEX PROGRAM.—A computer program for computing diffusion indexes, cumulated diffusion indexes, and summary measures of the properties of each index.

SURVEY OF CURRENT BUSINESS A monthly report for analyzing current economic developments.

This report provides a useful combination of current data for more than 2,500 statistical series and significant articles analyzing economic developments. These data and analyses include such areas as the national income and product accounts, the balance of payments accounts, plant and equipment expenditures, regional personal income, and the input-output accounts.

BUSINESS STATISTICS A biennial reference volume containing statistical series reported currently in the *Survey of Current Business*.

This report provides historical data back to 1947 for nearly 2,500 time series. The series are accompanied by concise descriptions as to their composition, methods of compilation, comparability, revisions, and availability. Also listed are the names and addresses of organizations which provide the basic data for the series.

Introduction

The purpose of this monthly report is to bring together the principal time series on defense activity which influence short-term changes in the national economy. These include series on obligations, contracts, orders, shipments, inventories, expenditures, employment, and earnings. Most are monthly but a few quarterly series are included. The series numbers used are for identification purposes only and do not reflect relationships or order.

Classification of Series

Chart 1 compares Government purchases of goods and services for national defense with total gross national product. GNP is the market value of the final output of goods and services produced by the Nation's economy and represents a very broad measure of aggregate economic activity. In addition to national defense purchases, it includes Federal Government purchases of goods and services for nondefense purposes, State and local government purchases, personal consumption expenditures, gross private domestic investment, and net exports of goods and services. Chart 1 also presents national defense purchases as a percent of gross national product and, for both series, changes from the previous quarter.

A related group of series is shown in Chart 4, "Defense-Related Balance of Payments Components." These series show the effects of defense-related economic activity on the balance of payments accounts.

The remaining series are grouped in accordance with the time at which the activities they measure occur within the defense order-production-delivery process. Those series measuring activities that usually precede production, such as new orders placed with defense products industries and contract awards, are presented in Chart 2, "Advance Indicators of Defense Activity." Chart 3, "Intermediate and Final Indicators of Defense Activity," presents series that measure activities which tend to move at the same time as production (such as employment) and activities which usually follow production (such as shipments).

Series Included

Following is a list of the series as they appear in charts 1, 2, 3, and 4 (the source agencies are abbreviated in parentheses; detailed lists of sources for charts 1, 2, and 3 appeared as appendixes to the August and October 1968 issues of this report).

Gross National Product and National Defense Purchases

- Gross national product (BEA)
- Federal Government purchases of goods and services, national defense (BEA)
- National defense purchases as a percent of gross national product (BEA)
- Gross national product, changes from previous quarter (BEA)
- National defense purchases, changes from previous quarter (BEA)

Advance Indicators of Defense Activity

- Defense Department gross obligations incurred, total (DOD)
- Defense Department gross obligations incurred, procurement (DOD)
- Gross obligations incurred outside the Government for national defense (Treasury)

- Defense Department military prime contract awards for work performed in the United States (DOD)
- Defense Department gross unpaid obligations outstanding (DOD)
- Manufacturers' new orders (Census):
 - Defense products industries
 - Defense products
- Manufacturers' new orders from the U.S. Government, aerospace industries (Census):
- Average weekly overtime hours, production workers, defense products industries (BLS)
- Accessions, defense products industries (BLS)
- Layoffs, defense products industries (BLS)

Intermediate and Final Indicators of Defense Activity

- Manufacturers' inventories (Census):
 - Defense products industries
 - Defense products
- Manufacturers' unfilled orders (Census):
 - Defense products industries
 - Defense products
- Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)
- Defense Department progress payments outstanding (DOD)
- Employment in defense products industries, total (BLS)
- Employment in defense products industries, production workers (BLS)
- Index of aggregate weekly man-hours, defense products industries (BLS)
- Index of aggregate weekly payrolls, production workers, defense products industries (BLS)
- Defense Department manpower, military (DOD)
- Defense Department manpower, civilian (DOD)
- Defense Department net outlays, total, military functions and military assistance (DOD)
- Defense Department net outlays, procurement (DOD)
- Budget outlays for the national defense function (Treasury)
- Defense Department personnel compensation (DOD)
- Manufacturers' shipments (Census):
 - Defense products industries
 - Defense products
- Manufacturers' shipments to the U.S. Government, aerospace industries (Census):
- Ratio, manufacturers' unfilled orders to shipments (Census):
 - Defense products industries
 - Defense products
- Ratio, manufacturers' inventories to shipments (Census):
 - Defense products industries
 - Defense products

Defense-Related Balance of Payments Components

- Transfers under U.S. military agency sales contracts—exports (BEA)
- Direct defense expenditures—imports (BEA)
- U.S. Government cash receipts associated with military sales contracts (BEA)

Some additional data are included in the tables though not presented in the charts. These include Defense Department military prime contract awards by procurement category (e.g., for aircraft, missiles and space systems, ships, weapons, and ammunition), the operations component of Defense Department

gross obligations incurred, gross unpaid obligations outstanding, and net outlays and the procurement component of gross unpaid obligations outstanding.

Description of Basic Data

The Department of Defense compiles statistics on obligations, contract awards, personnel compensation, and outlays. The DOD obligations and outlays data are based on the Defense Department's monthly *Status of Funds* report which is developed from accounting data and is designed to provide information on the total status of Defense Department financing. Accounts included in this report are aggregated by appropriation categories including personnel costs, operations and maintenance, procurement, research and development, and construction. The *Status of Funds* report duplicates some obligations. That is, obligations of one government unit to another unit are not netted out.

The Defense Department's *Contract Awards* report covers the awarding of procurement contracts. These include obligations for operating and maintenance supplies, equipment and services, research and development, and construction in addition to the obligations for items that constitute the fiscal "procurement" category. The statistics are aggregated by commodity categories including aircraft, missile and space systems, ships, weapons, ammunition, electronics and communication equipment, fuels, and textiles and clothing. The *Contract Awards* report includes procurement for NASA, other nondefense agencies, and the Foreign Military Sales Program which are not included in the *Status of Funds* report.

The Census quarterly new orders, unfilled orders and shipments series for "aerospace industries" are based on reports of companies classified into the following industry categories:

Industry	SIC Code
Aircraft and parts	372
Guided missiles and space vehicles, completely assembled ..	1925

The Census and BLS data for "defense products industries" presented in this report cover companies and establishments¹ classified into the following industry categories in accordance with the *Standard Industrial Classification Manual*, 1967 edition, Executive Office of the President, Bureau of the Budget:

Industry	SIC Code
Ordnance and accessories	19
Communication equipment	366
Aircraft and parts	372

Establishments reporting to the BLS are classified into industries on the basis of their principal product or activity as determined from information on annual sales volume, which is collected each year on a supplement to the monthly report. The entire employment of an establishment making more than one product or engaging in more than one activity is included under the industry accounting for the largest percentage of the annual sales of that establishment.

The Census Bureau's monthly survey is based primarily on reports at the company level and the monthly estimates are benchmarked to the establishment data from the *Annual Survey*

of Manufactures. Also, many of the large diversified companies file separate divisional reports monthly. Although the reports in the survey are also classified according to their principal product or activity, this difference in the organizational level from which reports are received results in firms being classified into different industries in the BLS and Census surveys and, consequently, limits somewhat the comparability of the data collected by these agencies. However, as we know from past studies in this area, some differences in industrial classification between BLS and Census data would remain even if reports came from the same organizational levels.

Both the Census and the BLS data include a significant amount of nondefense activities carried on by companies and establishments classified in the above industries. For example, the data cover the production of commercial as well as military aircraft. On the other hand, they exclude significant amounts of defense work carried on by companies and establishments classified in industries other than those listed above (e.g., the manufacture of military uniforms and the shipbuilding industry).²

Census data for "defense products" are based on separate reports on defense work filed by large defense contractors in the ordnance, communications, complete aircraft, aircraft parts, and shipbuilding industries. Thus, they differ from the "defense products industries" data in that they include defense activity in the shipbuilding industry and exclude nondefense work in the other industries covered. Defense products data cover work for the Department of Defense and exclude contracts for the National Aeronautics and Space Administration and the Atomic Energy Commission.

The DOD data are not strictly comparable in coverage with either the BLS or the Census data since the Defense Department figures (1) cover products of industries not included in the defense products category; (2) generally do not include non-defense activities (except that some series, such as contract awards, include activities by the Department of Defense on behalf of nondefense agencies); and (3) do not cover intermediate activities such as those related to subcontracting and supplying of parts. Thus, the Census Bureau data for manufacturers' new orders and shipments of defense products industries, for example, differ in coverage from the DOD contract awards and net outlays series.

The Department of Defense data are not comparable with Federal Government purchases of goods and services for national defense or the Treasury Department obligations and outlays data since the BEA and Treasury data cover defense-related activities of other agencies such as the Atomic Energy Commission, the Selective Service System, and the Office of Emergency Planning.

Projects to improve the comparability of the data collected by the Bureau of the Census, the Bureau of Labor Statistics, and the Department of Defense and to improve the separation of defense and nondefense activity for the Census and BLS data are being undertaken by the statistical agencies under the leadership of the Interagency Committee mentioned earlier in this report.

²See the Bureau of the Census publication *Shipments of Defense-Oriented Industries*, Current Industrial Reports, Series MA-175, for annual estimates of shipments by industry to the Department of Defense, the National Aeronautics and Space Administration, and the Atomic Energy Commission. Included also are industries not covered by the "defense products industries" category.

¹An establishment is a single physical location where business is conducted (e.g., a plant). A company often includes more than one establishment.

Variability of Data

Seasonal variations dominate the movements of many time series, and adjustments for average seasonal fluctuations are often necessary to bring out the underlying trends of the series. These seasonal adjustments allow for the effects of repetitive intrayear variations resulting primarily from normal differences in weather conditions and from various institutional arrangements. An additional adjustment is sometimes necessary for series which contain considerable variation resulting from the number of working or trading days in each month. As used in this report, the term "seasonal adjustment" includes trading-day adjustments where they have been made.

Most of the series in this report are shown in seasonally adjusted form. For Defense Department and BLS series, unadjusted data are also shown since they are not readily available elsewhere. Current seasonal adjustment factors are shown in appendix A.

The effect of seasonal adjustment in reducing the month-to-month variation in the data can be seen in appendix B. There, the first two columns show the average month-to-month percent change (without regard to sign) in the data before and after seasonal adjustment. Some series still show very irregular month-to-month movements after adjustment for seasonal variation. The measures in appendix B also indicate the month-to-month variation in the irregular and short-term trend components of the series. For many series, irregular movements tend to dominate 1- or 2-month comparisons, and the underlying short-term trend becomes dominant in comparisons over longer spans. The "months for cyclical dominance" (MCD) measure estimates the span of months required for the short-term trend to dominate the irregular component. Series with an MCD of 4 or more are supplemented with a moving average (with the

number of terms equal to MCD) in the charts. Data for these moving averages are listed in the basic data tables.

Guide to Charts and Tables

Most series are plotted on a standard ratio scale so that equal percent changes cover the same vertical distance. For these series, an increase of 100 percent covers approximately 1 inch. Arithmetic scales are used for series with zero or negative data, series which could approach zero (e.g., average overtime hours and layoff rate), and series expressed in percent.

In general, monthly data are plotted with a solid line and quarterly data are represented by a solid line with quarterly plot points. Quarterly series are also identified with a "Q" after their titles. For series which include a moving average, a dashed line is used for the actual monthly data and a solid line for the moving average. (The moving average values are centered within the span of months they are computed from.) Exceptions to this scheme may be necessary for special situations. Data apply to the whole period except for series designated "EOM" (end of month) or "EOQ" (end of quarter). The number in the box at the right of each series indicates the latest month (Arabic) or quarter (Roman) plotted. Parallel lines across a series indicate a break in continuity (e.g., data not available or change in series definition).

Tables 1, 2, 3, and 4 present current data for the series shown in the charts, including the moving averages. They also include unadjusted data for some series and data for related series which are not plotted. Table A summarizes the most recent data and percent changes for many of the series in the report. Historical data are shown on an intermittent basis in appendix C. (The index indicates the appropriate issue for each series.)

New Features and Changes for This Issue

Appendix C contains historical data for series 625-638 and 640.

The August issue of DEFENSE INDICATORS is scheduled for release on August 28.

Table A. Summary of Recent Data and Current Percent Changes for Principal Defense Indicators

(Preliminary and revised figures are not identified here but the user may consult tables 1, 2, 3, and 4 where such identification is given)

Series title	Unit of measure	Basic data								Percent change				Series number
		Average		4th Q 1974	1st Q 1975	2d Q 1975	Apr. 1975	May 1975	June 1975	Apr. '75 to May '75	May '75 to June '75	4th Q '74 to 1st Q '75	1st Q '75 to 2d Q '75	
		1973	1974											
GROSS NATIONAL PRODUCT AND NATIONAL DEFENSE PURCHASES														
200. Gross national product (BEA)	Ann. rate, bil. dol.	1294.9	1397.4	1430.9	1416.6	1433.4	...	...	...	...	...	-1.0	1.2	200
264. Federal Government purchases of goods and services, national defense (BEA)	do	74.4	78.7	84.0	84.7	85.4	...	...	...	...	...	0.8	0.8	264
613. National defense purchases as a percent of GNP (BEA) ¹	Percent	5.7	5.6	5.9	6.0	6.0	...	...	...	...	...	0.1	0.0	613
ADVANCE INDICATORS OF DEFENSE ACTIVITY														
Defense Dept. gross obligations incurred (DOD):														
617. Total	Ann. rate, bil. dol.	85.5	93.9	96.0	93.9	NA	95.2	98.4	NA	3.4	NA	-2.2	NA	617
621. Procurement	do	18.8	20.6	20.9	21.1	NA	17.1	22.2	NA	29.8	NA	1.0	NA	621
623. Gross obligations incurred outside the Federal Government for national defense (Treasury)	do	89.1	101.1	102.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	623
625. Defense Department military prime contract awards for work performed in the U.S. (DOD)	do	35.3	41.4	41.9	42.0	NA	49.5	47.1	NA	-4.8	NA	0.2	NA	625
643. Defense Department gross unpaid obligations outstanding (DOD)	Bil. dol., end of period	36.8	40.0	40.0	39.8	NA	39.5	39.7	NA	0.5	NA	-0.5	NA	643
648. Mfrs.' new orders, defense products (Census)	Ann. rate, bil. dol.	20.5	22.8	21.7	21.9	19.9	19.7	19.9	20.1	1.0	1.0	0.9	-9.1	648
650. Manufacturers' new orders from the U.S. Government, aerospace industries (Census)	do	15.9	19.1	22.5	17.0	NA	...	...	...	...	...	-24.4	NA	650
653. Average weekly overtime hours, production workers, defense products industries (BLS) ¹	Hours	3.1	2.8	2.6	2.4	NA	2.4	2.2	NA	-0.2	NA	-0.2	NA	653
654. Accessions, defense products industries (BLS) ¹	Number per 100 employees	2.2	2.1	1.7	1.5	NA	2.1	NA	NA	NA	NA	-0.2	NA	654
655. Layoffs, defense products industries (BLS) ¹	do	0.6	0.6	0.7	1.4	NA	1.0	NA	NA	NA	NA	0.7	NA	655
INTERMEDIATE AND FINAL INDICATORS OF DEFENSE ACTIVITY														
657. Output of defense and space equipment (FRB)	1967=100	80.4	82.4	83.7	82.8	81.9	82.4	82.1	81.3	-0.4	-1.0	-1.1	-1.1	657
659. Mfrs.' inventories, defense products (Census)	Bil. dol., end of period	5.6	6.5	6.5	6.9	NA	7.0	7.1	NA	1.4	NA	6.2	NA	659
661. Mfrs.' unfilled orders, defense products (Census)	do	20.7	24.6	24.6	25.0	25.0	24.9	24.9	25.0	0.0	0.4	1.6	0.0	661
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries (Census)	do	16.4	20.7	20.7	20.8	NA	...	...	...	...	...	0.5	NA	664
666. Defense Department progress payments outstanding (DOD)	do	7.4	9.2	9.2	9.6	NA	...	...	...	...	...	4.3	NA	666
Employment in defense products industries (BLS):														
670. Total	Thousands	1,161	1,161	1,169	1,136	1,114	1,111	1,121	1,109	0.9	-1.1	-2.8	-1.9	670
671. Production workers	do	616	610	615	587	568	564	574	566	1.6	-1.4	-4.6	-3.2	671
673. Index of aggregate weekly man-hours, defense products industries (BLS)	1967=100	69.1	68.4	68.8	66.8	NA	65.7	65.9	NA	0.3	NA	-2.9	NA	673
675. Index of aggregate weekly payrolls, production workers, defense products industries (BLS)	do	91.9	96.6	100.7	98.1	NA	97.0	98.6	NA	1.9	NA	-2.6	NA	675
Defense Department manpower (DOD):														
677. Military	Thousands, end of period	2,202	2,140	2,140	2,137	2,131	2,127	2,124	2,131	-0.1	0.3	-0.1	-0.3	677
678. Civilian	do	1,026	1,043	1,043	1,034	NA	1,034	1,035	NA	0.1	NA	-0.9	NA	678
Defense Department net outlays (DOD):														
680. Total, military functions and military assistance	Ann. rate, bil. dol.	76.3	83.6	99.3	86.2	83.3	83.5	89.9	76.4	7.7	-15.0	-3.5	-3.4	680
682. Procurement	do	15.7	15.5	17.8	17.2	15.2	14.3	16.9	14.5	18.2	-14.2	-3.4	-11.6	682
683. Budget outlays for the national defense function (Treasury)	do	78.1	84.8	92.0	89.3	NA	87.6	93.5	NA	6.7	NA	-2.9	NA	683
685. Defense Dept. personnel compensation (DOD)	do	32.4	33.5	34.6	33.7	NA	34.0	34.0	NA	0.0	NA	-2.6	NA	685
688. Mfrs.' shipments, defense products (Census)	do	18.8	18.9	19.1	20.4	19.9	20.9	20.0	18.8	-4.3	-6.0	6.8	-2.5	688
689. Manufacturers' shipments to the U.S. Government, aerospace industries (Census)	do	14.4	15.2	15.6	16.2	NA	...	...	...	...	...	3.8	NA	689
691. Ratio, manufacturers' unfilled orders to shipments, defense products (Census)	Ratio	12.7	14.5	15.3	14.6	15.0	14.3	14.9	15.9	4.2	6.7	-4.6	2.7	691
693. Ratio, manufacturers' inventories to shipments, defense products (Census)	do	3.5	3.9	4.1	3.9	NA	4.0	4.3	NA	7.5	NA	-4.9	NA	693
DEFENSE-RELATED BALANCE OF PAYMENTS COMPONENTS														
546. Transfers under U.S. military agency sales contracts—exports (BEA) ¹	Ann. rate, mil. dol.	2,342	2,944	3,348	3,792	NA	...	...	...	...	...	444	NA	546
547. Direct defense expenditures—imports (BEA) ¹	do	4,658	5,103	5,340	5,180	NA	...	...	...	...	...	-160	NA	547
696. U.S. Government cash receipts associated with military sales contracts (BEA) ¹	do	2,290	2,957	3,048	4,500	NA	...	...	...	...	...	1,452	NA	696

NOTE: This table is presented as a convenient summary of the current data for many of the indicators in this report. In many cases, data shown here are rounded to fewer digits or are in different units than those shown in tables 1, 2, 3, and 4. Where available, annual figures are those published by the source agencies; otherwise they (and the quarterly figures for monthly series) are averages or totals of the data as shown in the data tables. Series are seasonally adjusted except for those indicated by (U), which appear to contain no seasonal movement.

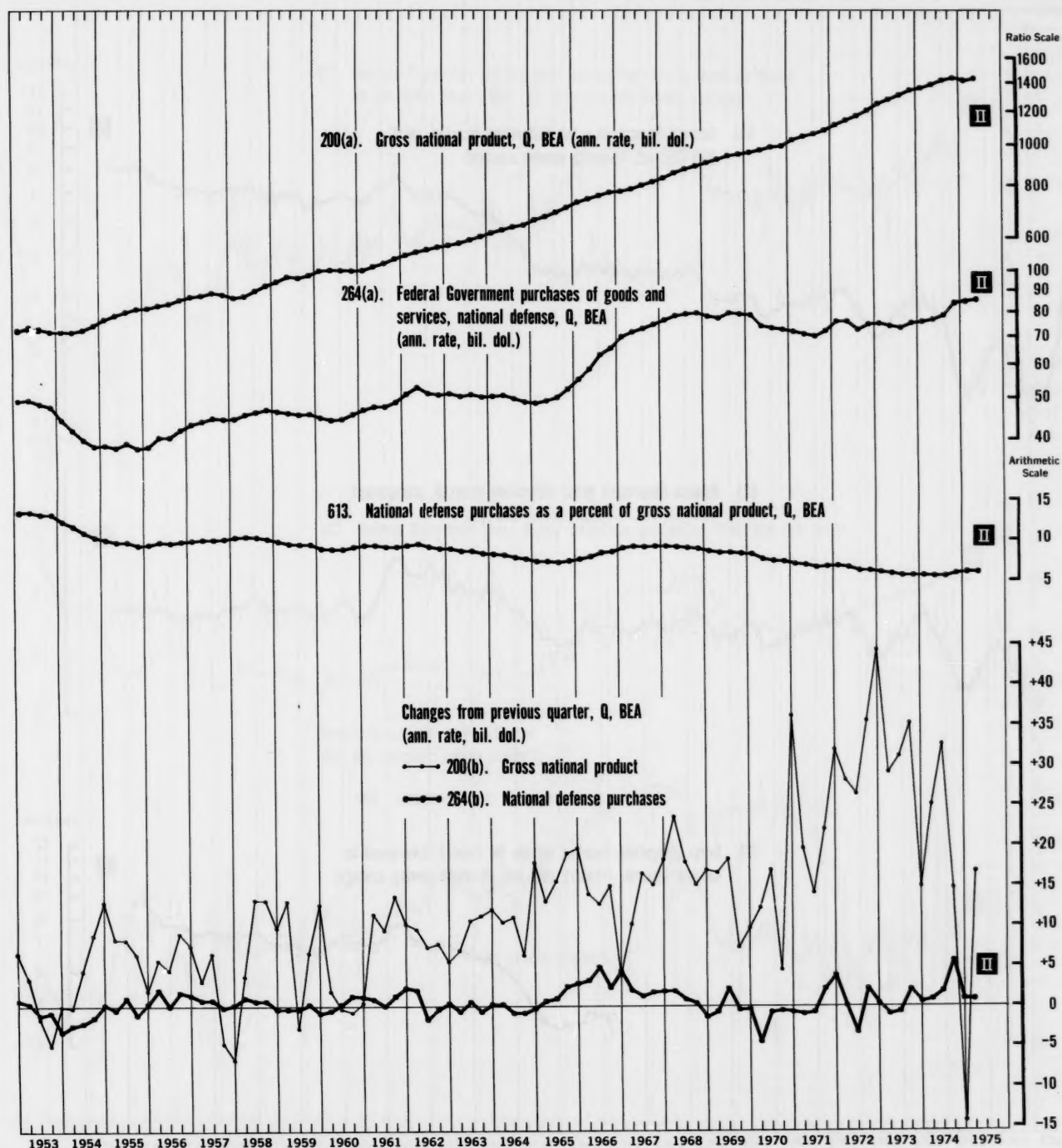
NA = not available.

¹Differences rather than percent changes are shown for this series.

CHART

1

Gross National Product and National Defense Purchases

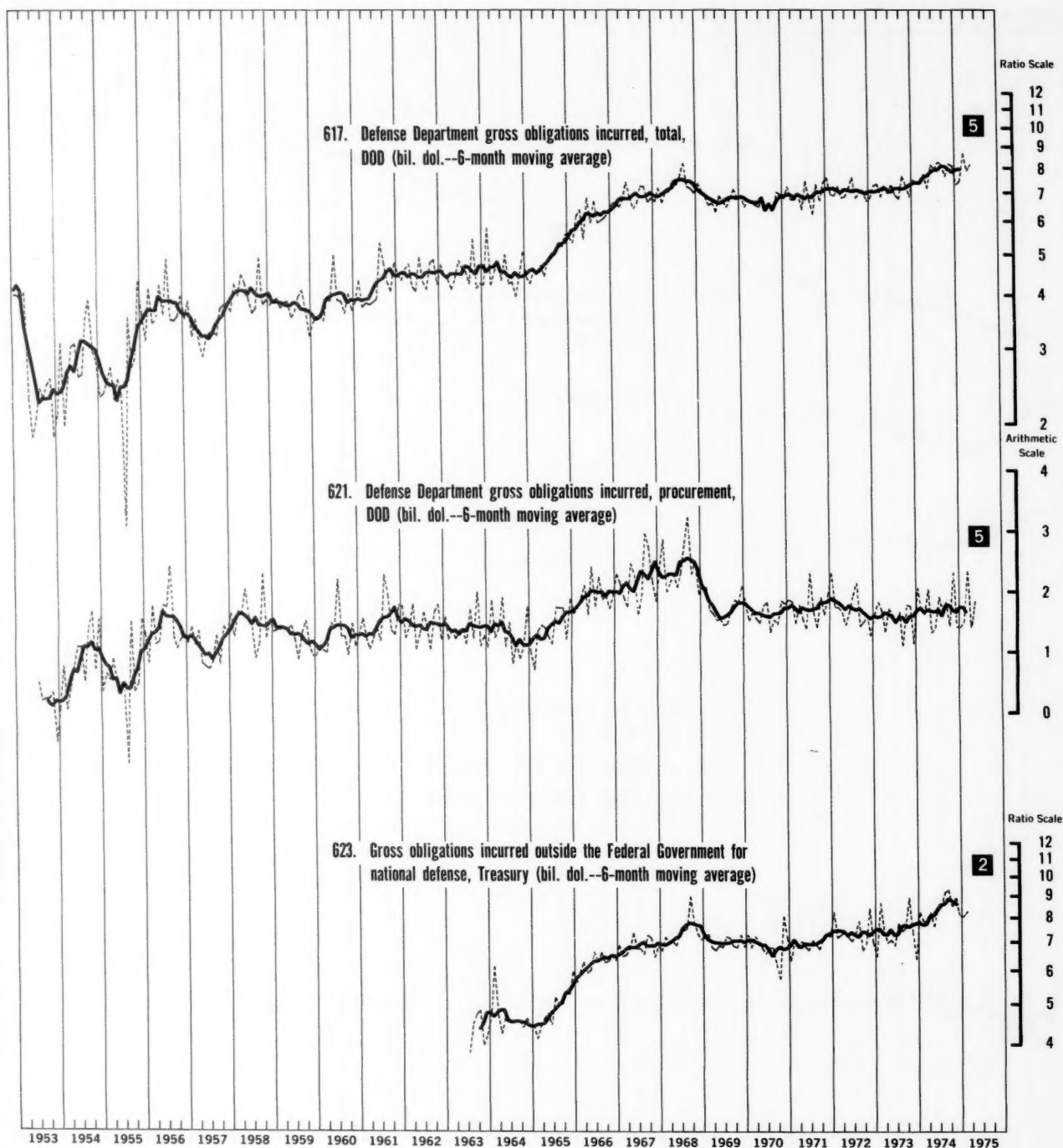


Current data for these series are shown on page 14.

CHART

2

Advance Indicators of Defense Activity

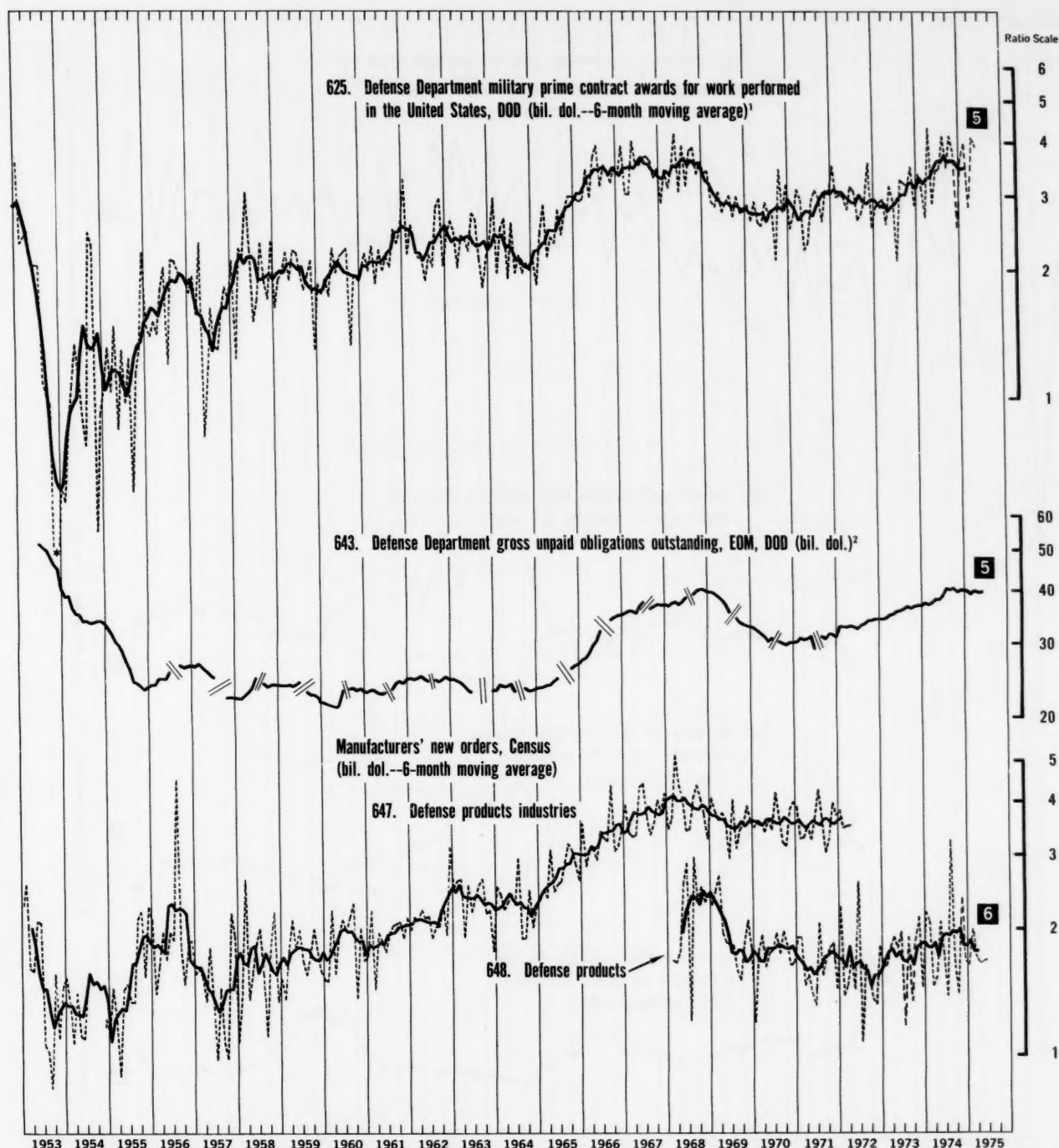


Current data for these series are shown on pages 15 and 16.

CHART

2

Advance Indicators of Defense Activity--Continued



¹Data prior to July 1955 exclude orders written to other Government agencies.

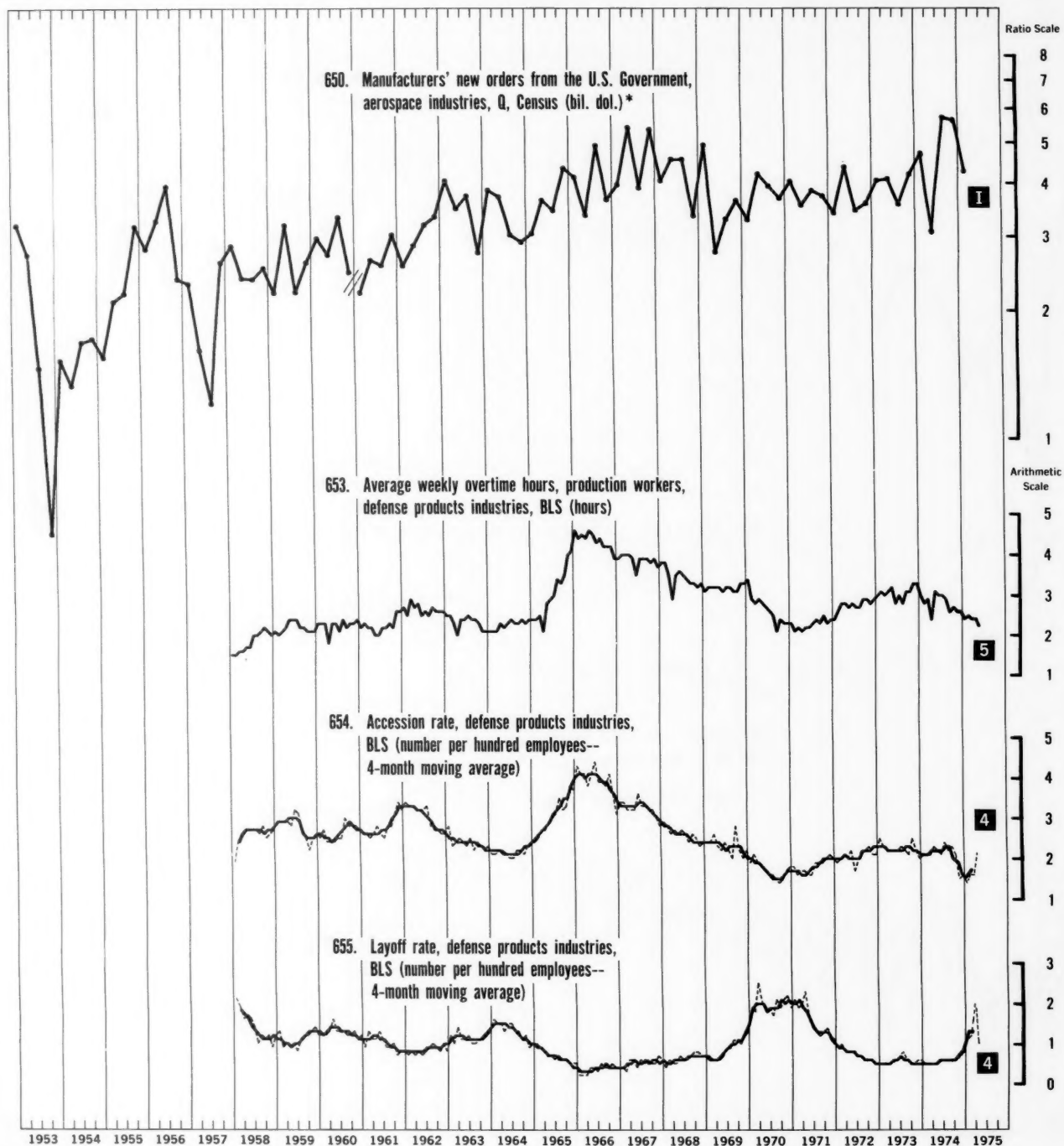
²Data for the following months not available: July of 1956-71; August of 1956-57 and 1963-66; September of 1957, 1963, and 1965; and October and November of 1963.

*Contract awards for November 1953--\$265 million; December 1953--\$390 million.

Current data for these series are shown on pages 16 and 20.

CHART
2

Advance Indicators of Defense Activity--Continued

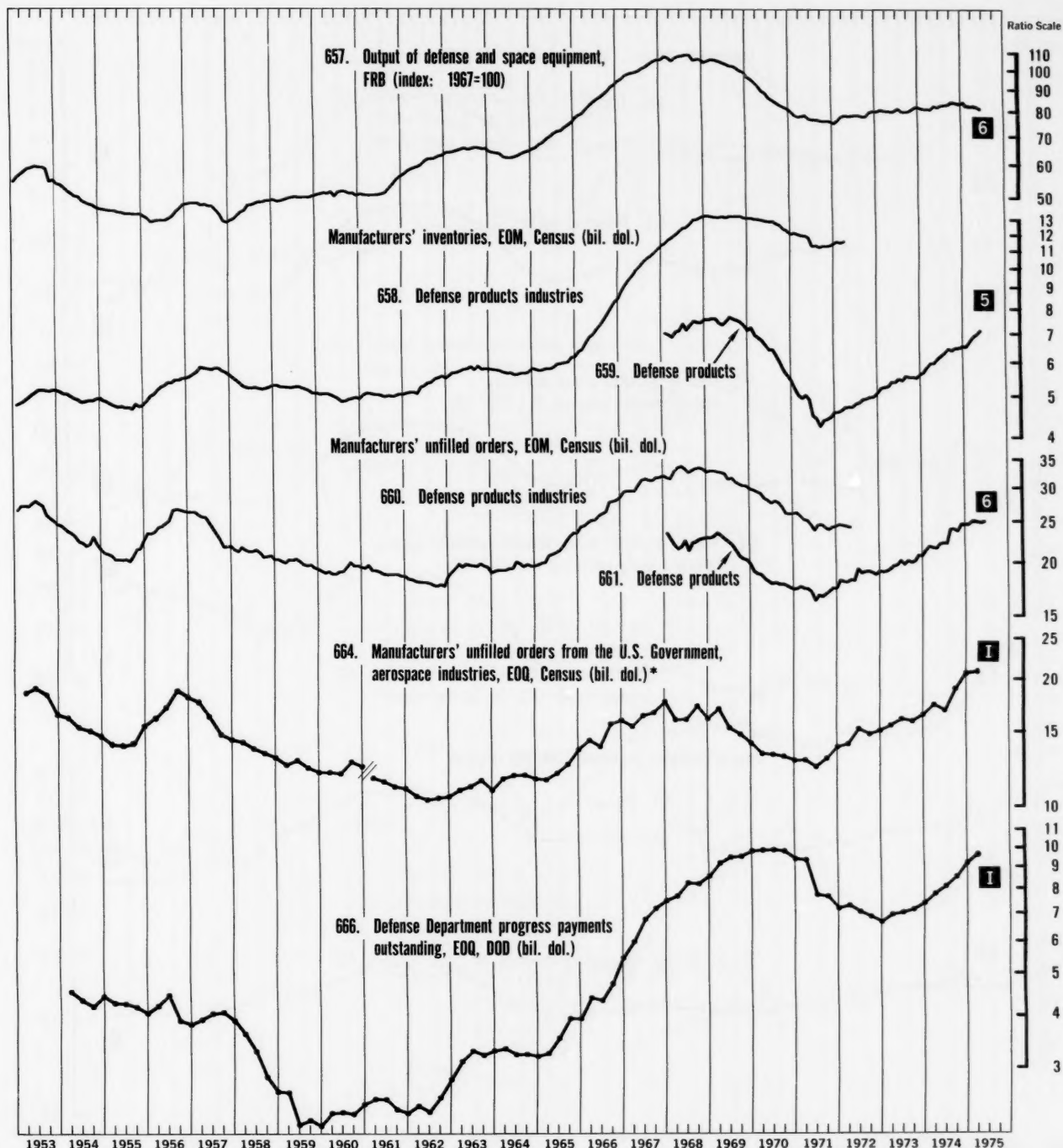


*Data prior to 1961 include orders from non-Government customers.
Current data for these series are shown on pages 20 and 21.

CHART

3

Intermediate and Final Indicators of Defense Activity

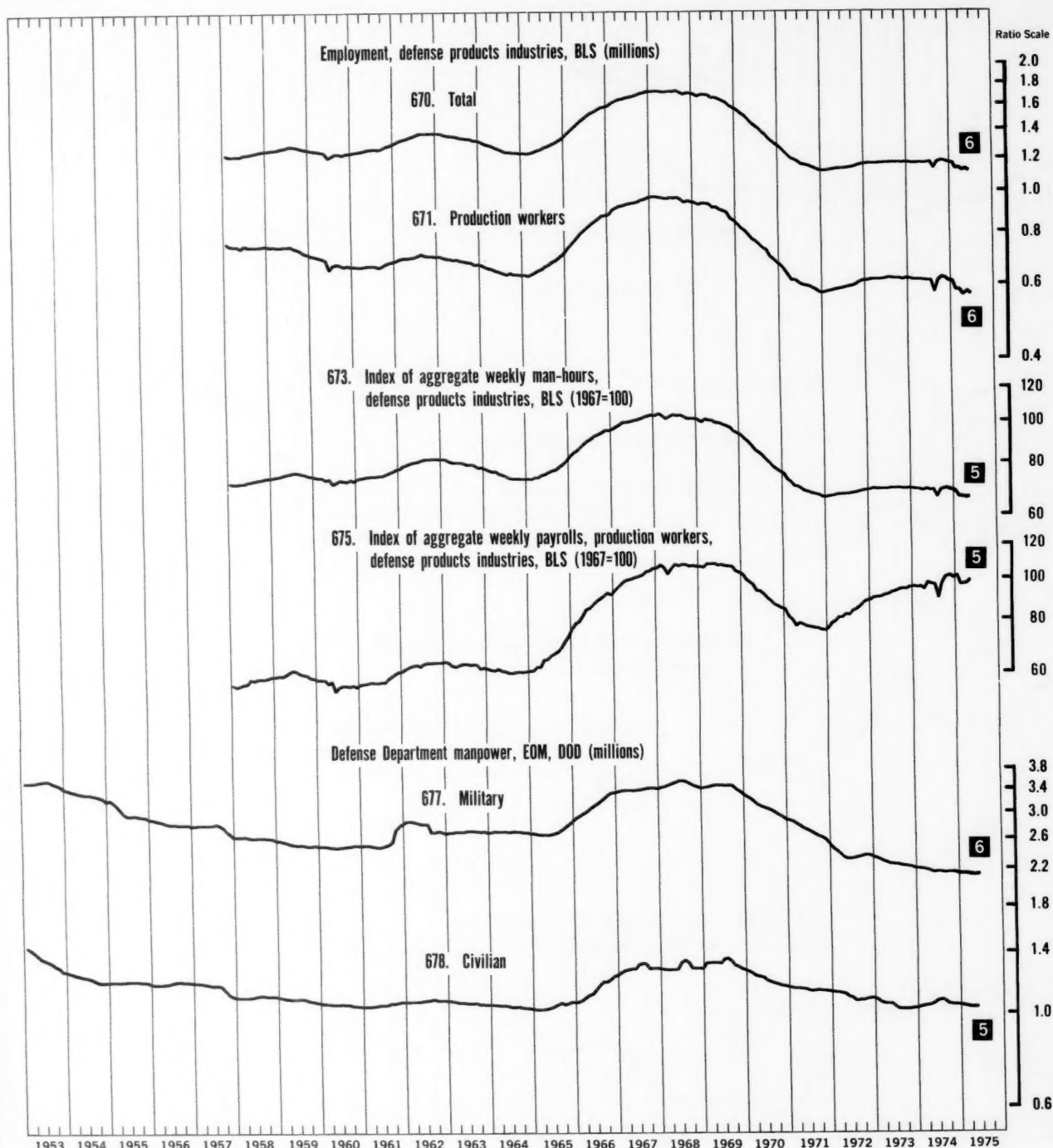


* Data prior to 1961 include orders from non-Government customers.
Current data for these series are shown on page 22.

CHART

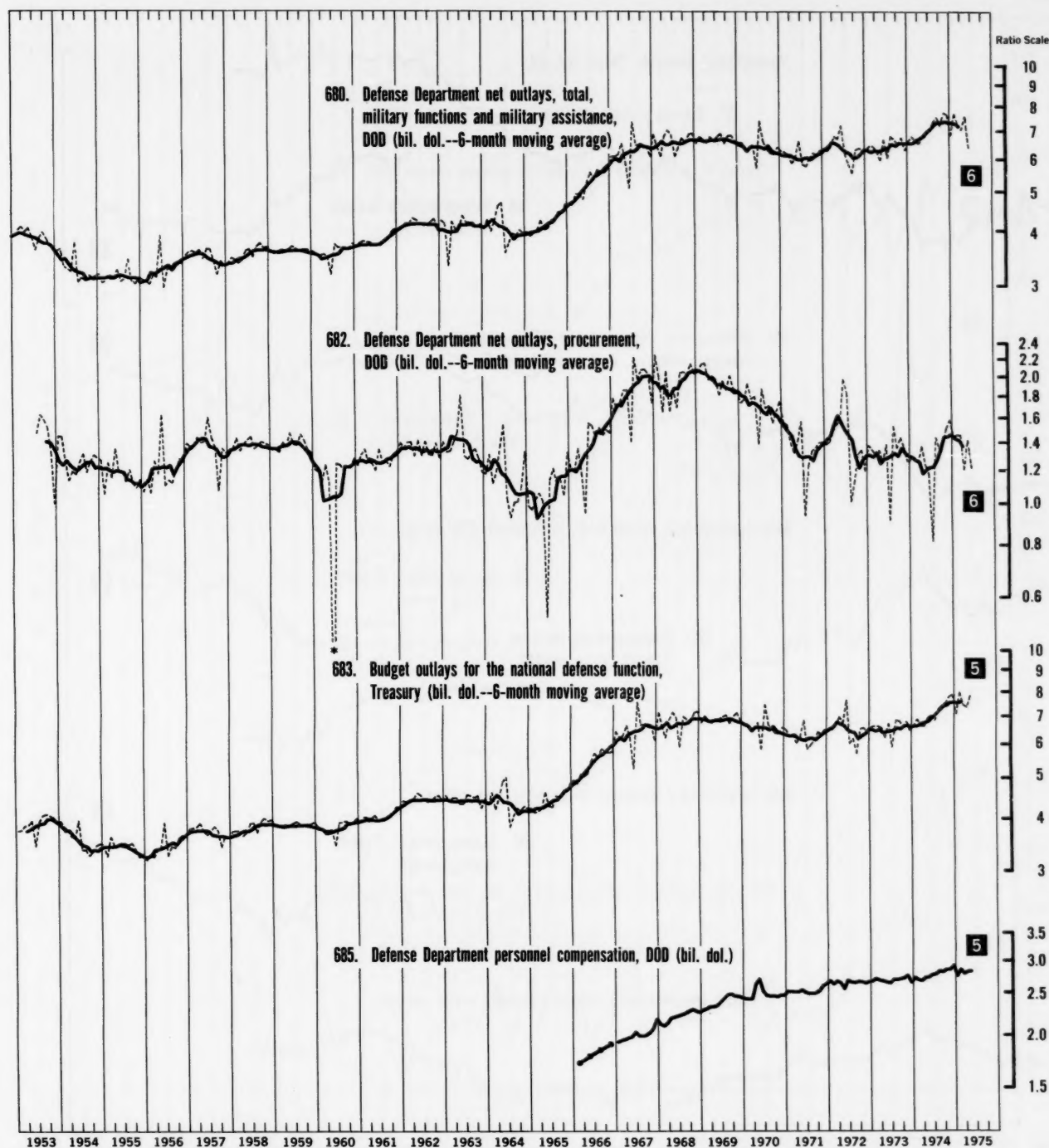
3

Intermediate and Final Indicators of Defense Activity--Continued



Current data for these series are shown on pages 22, 23, and 24.

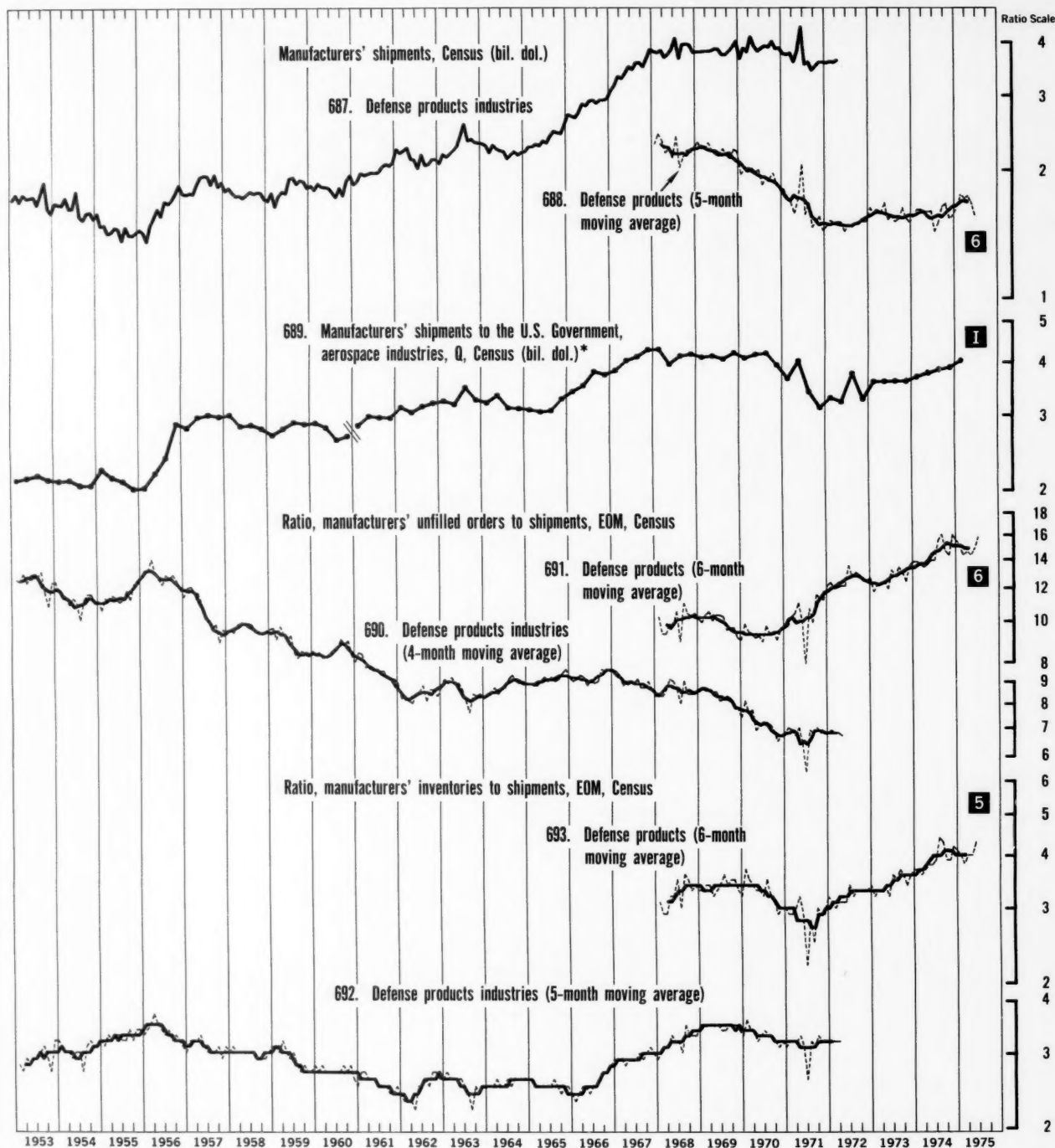
Intermediate and Final Indicators of Defense Activity--Continued



* Net expenditures for procurement, June 1960--\$245 million.
Current data for these series are shown on pages 24 and 25.

CHART
3

Intermediate and Final Indicators of Defense Activity--Continued

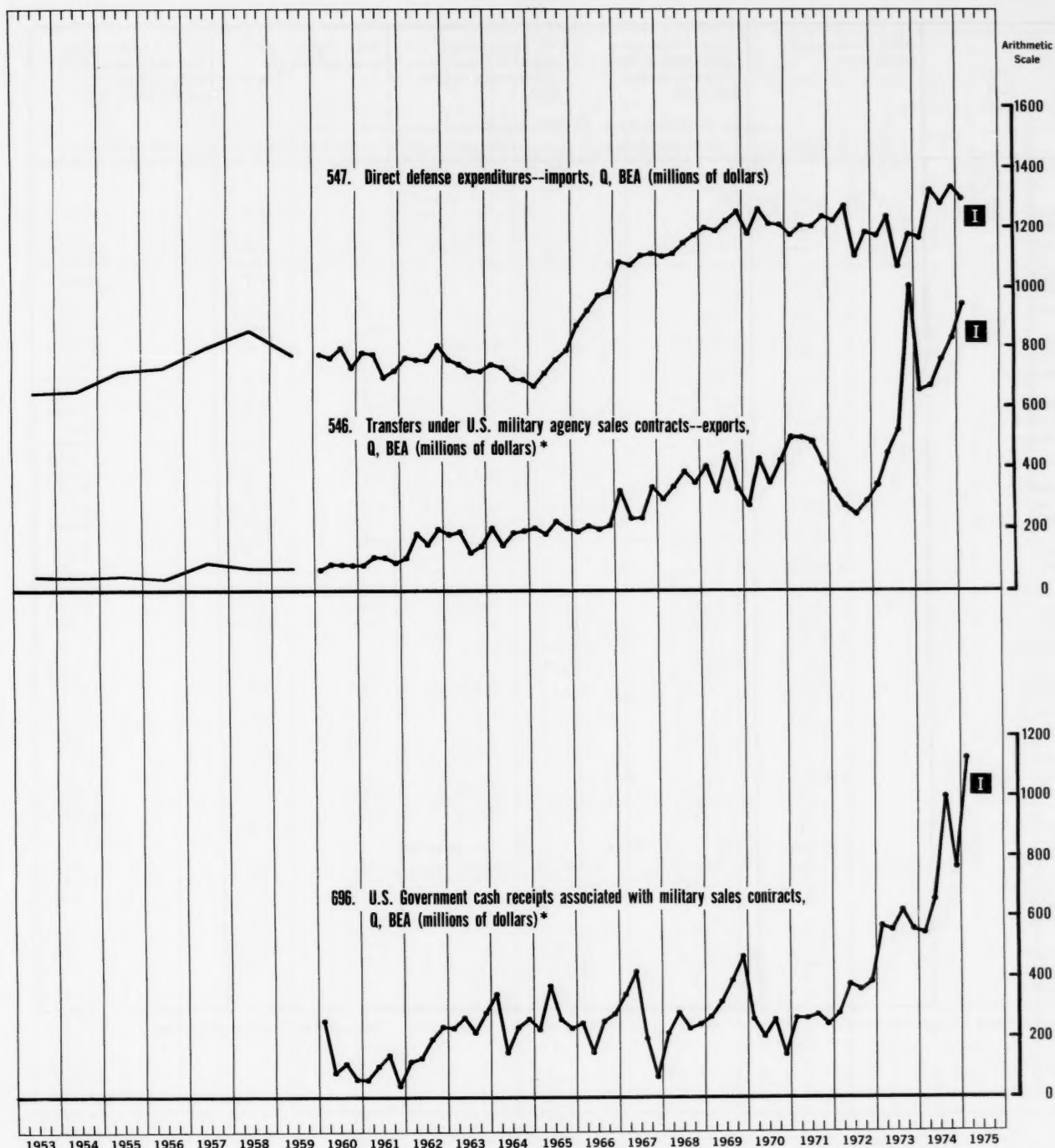


* Data prior to 1961 include shipments to non-Government customers.
Current data for these series are shown on page 26.

CHART

4

Defense-Related Balance of Payments Components



*See footnotes 1 and 2 on page 27.
Current data for these series are shown on page 27.

defense indicators

TABLE

1

Gross National Product and National Defense Purchases

Year and month	200(a). Gross national product, BEA*	264(a). Federal Government purchases of goods and services, national defense, BEA*	613. National defense purchases as a percent of gross national product, BEA*	200(b). Change in gross national product, BEA*	264(b). Change in Federal Government purchases of goods and services, national defense, BEA*
	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)	(Percent)	(Ann. rate, bil. dol.)	(Ann. rate, bil. dol.)
1973					
January .....	...	...	...	44.2	0.3
February	1,248.9	75.0	6.0	...	...
March .....	...	...	...	...	...
April .....	...	...	...	29.0	-1.0
May	1,277.9	74.0	5.8	...	...
June .....	...	...	...	...	...
July .....	...	...	...	31.0	-0.7
August	1,308.9	73.3	5.6	...	...
September .....	...	...	...	...	...
October .....	...	...	...	35.1	2.0
November	1,344.0	75.3	5.6	...	...
December .....	...	...	...	...	...
1974					
January .....	...	...	...	14.8	0.5
February	1,358.8	75.8	5.6	...	...
March .....	...	...	...	...	...
April .....	...	...	...	25.0	0.8
May	1,383.8	76.6	5.5	...	...
June .....	...	...	...	...	...
July .....	...	...	...	32.5	1.8
August	1,416.3	78.4	5.5	...	...
September .....	...	...	...	...	...
October .....	...	...	...	14.6	5.6
November	1,430.9	84.0	5.9	...	...
December .....	...	...	...	...	...
1975					
January .....	...	...	...	-14.3	0.7
February	1,416.6	84.7	6.0	...	...
March .....	...	...	...	...	...
April .....	...	...	...	p16.8	p0.7
May	p1,433.4	p85.4	p6.0	...	...
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August .....	...	...	...	...	...
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November .....	...	...	...	...	...
December .....	...	...	...	...	...

Note: All data on this page are seasonally adjusted. NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 5.)

TABLE

2

Advance Indicators of Defense Activity

Year and month	Defense Department gross obligations incurred, DOD							
	617. Total			619. Operations		621. Procurement		
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data—6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973								
January	7,414	6,827	7,051	4,688	4,494	1,815	1,631	1,595
February	6,691	7,283	7,026	4,097	4,656	1,785	1,838	1,569
March	6,716	7,362	7,053	4,174	4,427	1,435	1,704	1,588
April	6,342	6,865	7,101	4,522	4,445	1,028	1,349	1,648
May	5,997	7,275	7,181	4,195	4,393	1,171	1,730	1,623
June	9,327	6,992	7,123	5,122	4,471	2,871	1,633	1,596
July	8,180	7,312	7,028	5,334	4,679	1,019	1,483	1,495
August	7,505	6,932	7,162	4,634	4,552	1,393	1,676	1,568
September	6,289	6,790	7,169	4,201	4,429	1,168	1,099	1,575
October	8,074	7,671	7,145	5,024	4,716	2,105	1,788	1,494
November	6,917	7,315	7,181	4,346	4,652	1,714	1,771	1,593
December	6,041	6,850	7,259	4,133	4,643	1,321	1,149	1,599
1974								
January	8,113	7,527	7,374	4,991	4,714	2,337	2,077	1,689
February	6,826	7,398	7,390	4,187	4,758	1,677	1,708	1,731
March	6,613	7,485	7,368	4,377	4,699	1,381	1,642	1,658
April	7,375	7,762	7,588	4,982	4,804	1,546	2,040	1,702
May	6,104	7,187	7,664	4,434	4,662	894	1,330	1,675
June	10,110	8,166	7,810	6,170	5,466	2,465	1,412	1,672
July	9,285	7,983	7,926	5,901	5,110	1,332	1,919	1,706
August	8,874	8,279	7,912	5,224	5,203	1,416	1,692	1,607
September	7,790	8,179	8,083	4,771	5,040	1,919	1,842	1,777
October	7,965	7,681	8,075	5,394	4,999	1,709	1,446	1,780
November	7,600	8,211	7,968	4,471	4,786	2,281	2,349	1,697
December	7,260	8,116	7,832	4,826	5,334	1,646	1,431	1,667
1975								
January	8,252	7,341	7,916	5,471	5,148	1,895	1,424	1,751
February	6,904	7,467	7,958	4,604	5,220	1,569	1,509	1,748
March	7,526	8,677	7,956	4,787	5,251	1,994	2,349	1,665
April	7,403	7,933	(NA)	5,424	5,209	1,147	1,425	(NA)
May	6,796	8,199		4,761	5,121	1,147	1,850	
June	(NA)	(NA)		(NA)	(NA)	(NA)	(NA)	
July								
August								
September								
October								
November								
December								

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 6.)

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	623. Gross obligations incurred outside the Federal Government for national defense, Treasury		Defense Department military prime contract awards for work performed in the United States, DOD						
	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	625. Total			626. Aircraft		627. Missile and space systems	
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973									
January	6,496	7,490	2,578	2,824	2,956	728	...	377	...
February	8,706	7,501	2,418	2,899	2,893	328	1,942	297	1,306
March	7,421	7,281	2,841	2,947	2,824	721	...	504	...
April	6,986	p7,264	1,854	2,568	2,884	122	...	233	...
May	7,098	p7,477	2,489	3,171	2,765	866	1,948	129	967
June	p6,877	p7,266	5,122	2,897	2,828	1,243	...	349	...
July	7,773	p7,294	2,357	2,106	2,873	396	...	207	...
August	7,441	p7,619	3,224	3,276	2,975	611	1,804	921	1,200
September	7,588	p7,672	3,309	3,222	3,032	867	...	435	...
October	8,935	7,592	3,198	3,176	3,024	939	...	368	...
November	7,417	7,674	2,967	3,515	3,236	686	2,150	283	1,138
December	6,396	7,746	2,944	2,850	3,214	316	...	563	...
1974									
January	8,264	7,784	3,084	3,378	3,123	1,093	...	206	...
February	7,874	7,673	2,613	3,141	3,317	598	2,424	305	844
March	7,819	7,712	2,602	2,677	3,212	517	...	255	...
April	8,270	p8,068	3,127	4,343	3,310	459	...	303	...
May	7,647	p8,112	2,250	2,881	3,329	308	1,104	297	1,271
June	p8,534	p8,333	6,086	3,440	3,498	502	...	323	...
July	8,526	p8,584	3,924	3,494	3,636	1,089	...	618	...
August	9,202	p8,623	4,091	4,153	3,605	591	2,446	430	1,448
September	9,326	p8,842	3,586	3,502	3,754	866	...	848	...
October	8,503	8,776	4,165	4,161	3,603	1,156	...	410	...
November	8,963	8,700	3,207	3,777	3,636	856	2,900	434	1,107
December	8,139	8,545	2,616	2,532	3,609	569	...	361	...
1975									
January	8,069	(NA)	3,567	3,693	3,494	1,062	...	346	...
February	8,271		3,321	3,987	3,488	509	2,147	276	980
March	(NA)		2,625	2,817	3,513	421	...	244	...
April			2,914	4,122	(NA)	316	...	377	...
May			2,713	3,926		386	(NA)	242	(NA)
June			(NA)	(NA)		(NA)		(NA)	
July									
August									
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 6 and 7.)

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued						
	628. Ships, not seasonally adjusted	629. Weapons and ammunition		630. Electronic and communications equipment		631. Combat vehicles	
		Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January	84	207	...	214	...	14	...
February	378	226	658	215	939	11	60
March	85	195	...	420	...	11	...
April	82	150	...	237	...	12	...
May	78	184	725	351	959	15	65
June	139	566	...	654	...	54	...
July	337	21	...	131	...	50	...
August	220	81	436	354	990	24	80
September	203	114	...	313	...	27	...
October	161	105	...	248	...	116	...
November	465	106	310	392	900	21	214
December	588	192	...	261	...	56	...
1974							
January	52	135	...	311	...	102	...
February	212	244	541	415	1,013	5	253
March	103	142	...	206	...	40	...
April	190	170	...	403	...	129	...
May	155	123	680	270	1,110	98	502
June	1,175	554	...	732	...	404	...
July	230	37	...	321	...	59	...
August	625	72	453	402	1,316	104	249
September	134	111	...	352	...	151	...
October	210	122	...	598	...	25	...
November	328	114	334	349	1,239	22	126
December	109	165	...	254	...	81	...
1975							
January	325	125	...	414	...	21	...
February	251	160	515	331	1,379	66	288
March	11	217	...	535	...	52	...
April	621	147	...	313	...	23	...
May	94	128	(NA)	587	(NA)	86	(NA)
June	(NA)	(NA)	...	(NA)	...	(NA)	...
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised; e=estimated.

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued							
	632. Other hard goods		633. Soft goods		634. Construction		635. Services	
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973								
January	140	...	141	...	103	...	154	...
February	141	458	112	519	205	484	140	755
March	130	...	102	...	131	...	152	...
April	145	...	113	...	153	...	195	...
May	128	480	97	488	151	442	137	776
June	393	...	158	...	493	...	446	...
July	65	...	489	...	34	...	341	...
August	117	432	177	553	111	377	265	653
September	106	...	186	...	101	...	252	...
October	133	...	154	...	147	...	388	...
November	142	365	235	600	54	450	161	663
December	108	...	228	...	86	...	178	...
1974								
January	128	...	297	...	90	...	204	...
February	111	467	145	1,374	52	258	138	900
March	179	...	487	...	92	...	181	...
April	294	...	344	...	248	...	166	...
May	139	564	214	1,081	58	504	168	846
June	352	...	256	...	604	...	524	...
July	163	...	338	...	131	...	451	...
August	158	677	819	890	148	601	303	762
September	129	...	219	...	112	...	233	...
October	108	...	267	...	138	...	446	...
November	127	391	226	692	126	578	185	742
December	135	...	222	...	104	...	181	...
1975								
January	154	...	217	...	168	...	307	...
February	143	497	704	1,489	134	481	341	1,396
March	152	...	191	...	127	...	201	...
April	147	...	164	...	156	...	190	...
May	165	(NA)	121	(NA)	291	(NA)	211	(NA)
June	(NA)		(NA)		(NA)		(NA)	
July								
August								
September								
October								
November								
December								

NA=not available; p=preliminary; r=revised; e=estimated.

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department military prime contract awards for work performed in the United States, DOD--Continued					640. Defense Department military prime contract awards for work outside the United States, DOD	
	636. Contracts under \$10,000		637. Educational and nonprofit institutions		638. Civilian Health and Medical Program of the Uniformed Services (CHAMPUS), not seasonally adjusted	Not seasonally adjusted	Seasonally adjusted
	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted			
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January	341	...	41	...	34	156	...
February	320	1,003	45	152	0	151	527
March	334	...	43	...	13	125	...
April	356	...	46	...	10	213	...
May	319	977	35	168	-1	83	645
June	551	...	76	...	0	264	...
July	225	...	61	...	0	368	...
August	210	997	123	259	10	244	497
September	390	...	86	...	229	159	...
October	319	...	85	...	35	194	...
November	335	1,059	87	169	0	240	833
December	326	...	29	...	13	186	...
1974							
January	327	...	76	...	63	160	...
February	333	996	55	224	0	114	594
March	329	...	58	...	13	198	...
April	384	...	37	...	0	80	...
May	382	1,066	38	156	0	94	559
June	570	...	70	...	20	333	...
July	225	...	162	...	100	421	...
August	321	1,116	118	316	0	448	632
September	380	...	51	...	0	120	...
October	399	...	46	...	240	190	...
November	374	1,204	59	159	7	93	559
December	343	...	92	...	0	111	...
1975							
January	372	...	51	...	5	114	...
February	345	1,144	61	206	0	93	388
March	419	...	53	...	2	96	...
April	418	...	42	...	0	73	...
May	367	(NA)	35	(NA)	0	86	(NA)
June	(NA)		(NA)		(NA)	(NA)	
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised; e=estimated.

defense indicators

TABLE

2

Advance Indicators of Defense Activity--Continued

Year and month	Defense Department gross unpaid obligations outstanding, DOD						648. Manufacturers' new orders, defense products, Census		650. Manufacturers' new orders from the U.S. Government, aerospace industries, Census, seasonally adjusted*
	643. Total		644. Operations		645. Procurement				
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted	Not seasonally adjusted	Seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	
1973									
January	35,171	34,280	5,741	5,381	22,326	21,718	1,618	1,589	...
February	35,287	34,426	5,589	5,523	22,721	21,953	1,633	1,680	4,060
March	34,766	34,976	5,273	5,586	22,469	22,291	1,804	1,758	...
April	34,297	35,140	5,424	5,807	22,044	22,244	1,900	1,783	...
May	33,409	35,693	5,227	5,886	21,753	22,565	1,789	1,709	4,095
June	34,621	35,877	5,301	6,044	22,806	22,558	1,956	1,754	...
July	e35,500	e36,188	e6,200	e6,385	e22,100	e22,620	1,175	1,676	...
August	37,069	36,666	6,754	6,420	22,432	22,960	1,898	1,664	3,568
September	36,829	36,285	6,719	6,454	22,195	22,556	1,338	1,720	...
October	38,039	36,682	7,519	6,660	22,679	22,656	1,827	1,635	...
November	37,680	36,869	7,193	6,673	22,877	22,763	2,124	1,803	4,199
December	37,244	36,839	7,064	6,994	22,932	22,615	1,450	1,831	...
1974									
January	38,249	37,280	7,425	6,959	23,791	23,143	2,183	1,852	...
February	37,963	37,001	7,055	6,964	24,032	23,175	2,064	1,802	r4,705
March	37,249	37,436	6,779	7,189	23,847	23,634	1,462	1,794	...
April	37,264	38,141	7,044	7,550	23,778	23,970	1,527	1,844	...
May	35,601	38,076	6,476	7,301	23,123	23,987	2,079	1,710	r3,073
June	37,545	38,947	7,373	8,417	23,994	23,756	1,752	1,904	...
July	e39,626	e40,435	e8,149	e8,392	e24,316	e24,914	1,377	1,940	...
August	40,594	40,152	8,426	8,010	23,791	24,351	3,229	1,919	r5,709
September	41,055	40,488	8,311	7,991	24,283	24,703	1,678	1,965	...
October	41,201	39,731	8,607	7,610	24,361	24,337	1,401	1,951	...
November	40,949	40,068	7,906	7,334	25,147	25,022	2,351	1,994	r5,627
December	40,407	40,047	7,654	7,556	25,199	25,024	1,668	1,813	...
1975									
January	40,819	39,823	7,997	7,495	25,484	24,838	1,635	1,817	...
February	40,008	39,147	7,520	7,460	25,452	24,568	2,147	1,857	p4,250
March	39,473	39,791	7,169	7,651	25,688	25,259	1,702	r1,742	...
April	38,589	39,457	7,276	7,807	24,932	24,957	1,639	p1,743	...
May	37,120	39,658	6,746	7,666	24,321	25,099	r1,659		(NA)
June	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	p1,675		
July									
August									
September									
October									
November									
December									

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 7 and 8.)

Advance Indicators of Defense Activity--Continued

Year and month	653. Average weekly overtime hours, production workers, defense products industries, BLS		654. Accession rate, defense products industries, BLS			655. Layoff rate, defense products industries, BLS		
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--4-month*	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--4-month*
	(Hours)	(Hours)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)	(Per 100 employees)
1973								
January	2.9	3.0	2.5	2.5	2.3	0.8	0.5	0.5
February	3.0	3.1	2.0	2.3	2.3	0.6	0.5	0.5
March	2.9	3.0	2.0	2.2	2.3	0.7	0.5	0.5
April	2.8	3.1	2.0	2.2	2.2	0.6	0.5	0.5
May	2.9	3.2	2.2	2.2	2.2	0.5	0.6	0.6
June	2.8	2.8	2.9	2.2	2.2	0.5	0.7	0.6
July	2.7	3.0	2.5	2.3	2.2	0.6	0.8	0.7
August	2.8	2.8	2.6	2.2	2.2	0.5	0.6	0.6
September	3.4	3.1	2.4	2.1	2.3	0.4	0.5	0.6
October	3.2	3.1	2.5	2.5	2.3	0.6	0.5	0.5
November	3.6	3.3	2.0	2.2	2.2	0.7	0.6	0.5
December	3.7	3.3	1.3	2.0	2.2	0.5	0.6	0.5
1974								
January	2.9	3.0	2.1	2.1	2.1	0.7	0.5	0.5
February	2.7	2.8	1.8	2.1	2.1	0.6	0.5	0.5
March	2.8	2.9	1.9	2.1	2.1	0.6	0.5	0.5
April	2.1	2.4	2.1	2.3	2.2	0.6	0.5	0.5
May	2.8	3.1	2.2	2.2	2.2	0.5	0.6	0.5
June	3.0	3.0	2.8	2.1	2.2	0.5	0.6	0.6
July	2.7	3.0	2.6	2.4	2.2	0.4	0.6	0.6
August	2.8	2.9	2.6	2.2	2.3	0.5	0.6	0.6
September	2.9	2.6	2.6	2.3	2.3	0.5	0.6	0.6
October	2.8	2.7	2.1	2.1	2.0	0.7	0.6	0.6
November	2.9	2.6	1.3	1.5	1.9	0.8	0.7	0.7
December	3.0	2.6	0.9	1.6	1.6	0.8	0.8	0.8
1975								
January	2.3	2.4	1.4	1.4	1.5	1.2	1.1	1.0
February	2.4	2.5	1.3	1.6	1.6	1.3	1.2	1.3
March	2.3	2.4	1.4	1.6	1.7	2.1	2.0	1.3
April	2.1	2.4	1.9	2.1	(NA)	1.0	1.0	(NA)
May	p2.0	p2.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
June	(NA)	(NA)						
July								
August								
September								
October								
November								
December								

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 8.)

defense indicators

TABLE 3

Intermediate and Final Indicators of Defense Activity

Year and month	657. Output of defense and space equipment, FRB, seasonally adjusted*	659. Manufacturers' inventories, defense products, Census, seasonally adjusted*	661. Manufacturers' unfilled orders, defense products, Census, seasonally adjusted*	664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries, Census, seasonally adjusted*	666. Defense Department progress payments outstanding, DOD, not seasonally adjusted*	670. Employment in defense products industries, total, BLS	
	(Index: 1967=100)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	Not seasonally adjusted (Thous.)	Seasonally adjusted* (Thous.)
1973							
January	79.8	5,210	19,060	...	...	1,160	1,156
February	80.6	5,248	19,123	...	...	1,160	1,159
March	80.1	5,266	19,343	15,533	6,942	1,156	1,158
April	80.0	5,384	19,659	...	...	1,154	1,159
May	79.7	5,384	19,780	...	...	1,152	1,160
June	80.1	5,477	20,211	16,084	7,026	1,159	1,162
July	81.1	5,434	19,824	...	...	1,158	1,163
August	79.7	5,555	20,210	...	...	1,159	1,165
September	79.8	5,528	20,013	15,904	7,139	1,166	1,163
October	80.0	5,531	20,215	...	...	1,168	1,164
November	80.9	5,508	20,797	...	...	1,172	1,162
December	81.9	5,615	20,740	16,448	7,385	1,172	1,165
1974							
January	81.4	5,679	21,372	...	...	1,167	1,163
February	80.9	5,837	21,827	...	...	1,160	1,159
March	81.0	5,966	21,678	r17,378	7,781	1,158	1,160
April	80.6	5,978	21,622	...	...	1,157	1,162
May	82.2	6,119	22,107	...	...	1,153	1,161
June	81.7	6,201	22,261	r16,847	8,104	1,159	1,162
July	82.6	6,303	22,208	...	...	1,160	1,166
August	82.7	6,431	23,941	...	...	1,123	1,129
September	83.1	6,377	23,979	r19,002	8,531	1,168	1,166
October	84.1	6,463	23,715	...	...	1,179	1,175
November	83.7	6,477	24,530	...	...	1,179	1,170
December	83.4	6,543	24,612	r20,662	9,166	1,168	1,161
1975							
January	83.8	6,503	24,603	...	...	1,162	1,159
February	82.4	6,714	24,998	...	...	1,125	1,124
March	82.1	6,867	24,986	p20,809	9,609	1,122	1,124
April	r82.4	6,978	24,883	...	...	r1,106	r1,111
May	r82.1	7,110	r24,875	...	...	r1,114	r1,121
June	p81.3	(NA)	p24,979	(NA)	(NA)	p1,107	p1,109
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts (See pages 9 and 10.)

TABLE

3

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	671. Employment in defense products industries, production workers, BLS		673. Index of aggregate weekly man-hours, defense products industries, BLS		675. Index of aggregate weekly payrolls, production workers, defense products industries, BLS	
	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*	Not seasonally adjusted	Seasonally adjusted*
	(Thous.)	(Thous.)	(1967=100)	(1967=100)	(1967=100)	(1967=100)
1973						
January	615	611	68.7	68.6	88.7	88.5
February	616	614	69.1	69.1	89.9	89.7
March	614	615	68.8	68.8	89.9	89.8
April	612	615	68.4	69.0	88.9	90.2
May	610	615	68.5	69.0	89.7	91.0
June	614	617	68.9	69.0	90.3	91.4
July	614	620	68.4	69.2	89.7	92.4
August	612	618	68.6	69.2	91.2	92.9
September	618	617	69.5	69.3	94.5	93.8
October	620	618	69.4	69.1	94.8	94.2
November	621	614	70.0	69.0	96.4	94.0
December	625	618	70.4	69.2	99.2	95.1
1974						
January	620	616	69.0	68.9	95.4	95.2
February	615	613	68.7	68.7	95.1	94.8
March	612	613	68.7	68.7	95.6	95.4
April	610	613	67.7	68.3	92.6	93.9
May	606	611	68.4	68.8	96.0	97.4
June	607	610	68.3	68.4	95.3	96.5
July	604	610	67.7	68.6	93.4	96.3
August	568	574	65.3	65.9	88.1	89.8
September	612	611	68.7	68.5	98.2	97.6
October	623	621	69.3	69.1	101.2	100.6
November	624	617	69.6	69.0	103.6	101.1
December	615	608	69.5	68.3	104.7	100.3
1975						
January	610	606	68.2	68.2	101.2	101.1
February	581	578	66.1	66.1	96.8	96.4
March	577	578	65.9	66.0	97.1	96.9
April	r562	r564	r65.2	65.7	r95.7	r97.0
May	r568	r574	p65.5	p65.9	p97.4	p98.8
June	p563	p566	(NA)	(NA)	(NA)	(NA)
July						
August						
September						
October						
November						
December						

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 10.)

defense indicators

TABLE

3

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	Defense Department manpower, DOD		Defense Department net outlays, DOD				
	677. Military, not seasonally adjusted*	678. Civilian, not seasonally adjusted*	680. Total, military functions and military assistance			681. Operations	
			Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted
	(Thous.)	(Thous.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January	2,334	1,073	6,388	6,256	6,295	4,119	4,107
February	2,314	1,057	6,054	6,377	6,288	3,988	4,162
March	2,291	1,051	6,736	6,366	6,220	4,217	4,167
April	2,274	1,051	6,222	6,194	6,281	4,087	3,970
May	2,256	1,051	6,213	5,896	6,235	4,033	3,946
June	2,253	1,031	7,854	6,597	6,291	4,537	3,935
July	2,251	1,019	5,005	5,978	6,330	3,669	4,018
August	2,237	1,022	6,649	6,716	6,371	4,279	4,228
September	2,232	1,019	5,967	6,598	6,503	4,027	4,316
October	2,227	1,022	6,527	6,444	6,441	4,105	4,156
November	2,218	1,026	6,766	6,683	6,534	4,359	4,378
December	2,202	1,026	5,953	6,228	6,535	4,066	4,226
1974							
January	2,199	1,034	6,728	6,538	6,524	4,376	4,333
February	2,195	1,039	6,384	6,717	6,527	4,137	4,313
March	2,187	1,042	6,702	6,536	6,537	4,398	4,364
April	2,174	1,046	6,685	6,458	6,648	4,367	4,221
May	2,156	1,053	7,204	6,745	6,712	4,718	4,536
June	2,162	1,070	7,872	6,894	6,801	4,835	4,296
July	2,162	1,074	5,979	6,921	6,956	4,628	4,917
August	2,153	1,064	6,897	7,254	7,068	4,804	4,957
September	2,157	1,049	6,948	7,463	7,218	4,575	4,828
October	2,156	1,046	7,271	7,130	7,328	4,817	4,853
November	2,154	1,046	7,473	7,648	7,302	4,912	5,042
December	2,140	1,043	7,451	7,549	7,358	4,742	4,843
1975							
January	2,145	1,038	7,051	6,766	7,312	4,775	4,605
February	2,146	1,036	7,258	7,590	7,284	4,727	4,907
March	2,137	1,034	7,244	7,190	7,258	4,736	4,778
April	2,127	1,034	7,190	6,958	p7,061	4,960	4,744
May	2,124	1,035	r7,780	r7,494		r4,909	r4,963
June	p2,131	(NA)	p7,513	p6,367		p4,813	p4,269
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See pages 10 and 11.)

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	Defense Department net outlays, DOD--Continued			683. Budget outlays for the national defense function, Treasury		685. Defense Department personnel compensation, DOD	
	682. Procurement			Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*	Not seasonally adjusted	Seasonally adjusted*
	Not seasonally adjusted	Seasonally adjusted*	Moving average of seasonally adjusted data--6-month*				
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973							
January	1,355	1,367	1,301	6,534	6,492	2,811	2,686
February	1,243	1,329	1,306	6,563	6,496	2,666	2,720
March	1,439	1,291	1,291	6,561	6,440	2,728	2,693
April	1,287	1,330	1,322	6,500	6,498	2,675	2,686
May	1,315	1,243	1,245	6,164	6,384	2,736	2,666
June	1,649	1,371	1,276	6,666	6,419	2,615	2,655
July	863	907	1,285	5,849	6,451	2,712	2,707
August	1,450	1,513	1,300	6,776	6,458	2,735	2,705
September	1,239	1,344	1,318	6,754	6,554	2,615	2,720
October	1,487	1,425	1,298	6,542	6,512	2,732	2,732
November	1,268	1,349	1,357	6,735	6,632	2,765	2,771
December	1,124	1,250	1,318	6,416	6,642	2,589	2,663
1974							
January	1,270	1,262	1,300	6,569	6,613	2,879	2,738
February	1,195	1,276	1,289	6,835	6,617	2,651	2,702
March	1,313	1,241	1,268	6,579	6,640	2,700	2,687
April	1,382	1,355	1,254	6,567	6,733	2,750	2,739
May	1,292	1,227	1,179	6,874	6,768	2,817	2,745
June	1,346	1,165	1,204	6,973	6,831	2,710	2,782
July	801	810	1,221	6,783	6,962	2,835	2,793
August	1,348	1,425	1,224	7,212	7,112	2,814	2,837
September	1,251	1,343	1,270	7,362	7,254	2,741	2,823
October	1,455	1,377	1,338	7,467	7,393	2,869	2,864
November	1,372	1,501	1,440	7,727	7,436	2,827	2,864
December	1,439	1,569	1,444	7,809	7,550	2,874	2,924
1975							
January	1,427	1,428	1,460	7,039	7,554	2,913	2,762
February	1,351	1,444	1,429	7,896	7,526	2,808	2,862
March	1,500	1,440	1,414	7,385	7,536	2,812	2,799
April	1,220	1,194	pl,354	7,297	(NA)	r2,866	r2,835
May	1,467	1,406		7,788		p2,851	p2,831
June	pl,402	pl,209		(NA)		(NA)	(NA)
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised; e=estimated.

*Indicates series shown in charts. (See page 11.)

defense indicators

TABLE

3

Intermediate and Final Indicators of Defense Activity--Continued

Year and month	688. Manufacturers' shipments, defense products, Census		689. Manufacturers' shipments to the U.S. Government, aerospace industries, Census, seasonally adjusted*	691. Ratio, manufacturers' unfilled orders to shipments, defense products, Census		693. Ratio, manufacturers' inventories to shipments, defense products, Census	
	Seasonally adjusted*	Moving average of seasonally adjusted data-5-month*		Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*	Seasonally adjusted*	Moving average of seasonally adjusted data-6-month*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Ratio)	(Ratio)	(Ratio)	(Ratio)
1973							
January	1,628	1,561	...	11.7	12.3	3.2	3.3
February	1,570	1,575	3,599	12.2	12.3	3.3	3.3
March	1,584	1,607	...	12.2	12.2	3.3	3.3
April	1,584	1,587	...	12.4	12.3	3.4	3.3
May	1,669	1,585	3,607	11.9	12.4	3.2	3.4
June	1,527	1,571	...	13.2	12.6	3.6	3.4
July	1,562	1,561	...	12.7	12.8	3.5	3.5
August	1,511	1,552	3,612	13.4	12.8	3.7	3.5
September	1,535	1,555	...	13.0	13.0	3.6	3.6
October	1,625	1,543	...	12.4	13.1	3.4	3.6
November	1,541	1,552	3,611	13.5	13.3	3.6	3.6
December	1,505	1,567	...	13.8	13.4	3.7	3.6
1974							
January	1,552	1,564	...	13.8	13.4	3.7	3.6
February	1,610	1,573	r3,696	13.6	13.6	3.6	3.7
March	1,612	1,591	...	13.4	13.7	3.7	3.7
April	1,586	1,600	...	13.6	13.7	3.8	3.8
May	1,594	1,564	r3,780	13.9	14.0	3.8	3.9
June	1,596	1,541	...	13.9	14.4	3.9	4.0
July	1,431	1,551	...	15.5	14.6	4.4	4.0
August	1,497	1,565	r3,834	16.0	14.7	4.3	4.0
September	1,638	1,553	...	14.6	15.0	3.9	4.1
October	1,663	1,584	...	14.3	15.3	3.9	4.1
November	1,536	1,613	r3,888	16.0	15.2	4.2	4.1
December	1,585	1,636	...	15.5	15.0	4.1	4.0
1975							
January	1,644	1,646	...	15.0	15.0	4.0	4.0
February	1,753	1,688	p4,049	14.3	15.0	3.8	4.0
March	1,714	r1,704	...	14.6	r14.8	4.0	4.0
April	1,742	p1,689	...	14.3	p14.8	4.0	(NA)
May	1,668		(NA)	r14.9		4.3	
June	p1,569			p15.9		(NA)	
July							
August							
September							
October							
November							
December							

NA=not available; p=preliminary; r=revised; e=estimated.

*Indicates series shown in charts. (See page 12.)

Defense-Related Balance of Payments Components

Year and month	546. Transfers under U.S. military agency sales contracts (exports), BEA ¹		547. Direct defense expenditures (imports), BEA, not seasonally adjusted*	696. U.S. Government cash receipts associated with military sales contracts, BEA ²	
	Not seasonally adjusted	Seasonally adjusted*		Not seasonally adjusted	Seasonally adjusted*
	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)	(Mil. dol.)
1973					
January .....	...	...	...	...	...
February	332	347	1,174	520	566
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	504	455	1,236	544	552
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August	489	531	1,072	610	617
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November	1,017	1,009	1,177	616	555
December .....	...	...	...	...	...
1974					
January .....	...	...	...	...	...
February	639	663	1,166	499	544
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	738	678	1,324	645	653
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August	716	766	1,279	996	998
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November	852	837	1,335	817	762
December .....	...	...	...	...	...
1975					
January .....	...	...	...	...	...
February	p904	p948	p1,295	p1,081	p1,125
March .....	...	...	...	...	...
April .....	...	...	...	...	...
May	(NA)	(NA)	(NA)	(NA)	(NA)
June .....	...	...	...	...	...
July .....	...	...	...	...	...
August .....	...	...	...	...	...
September .....	...	...	...	...	...
October .....	...	...	...	...	...
November .....	...	...	...	...	...
December .....	...	...	...	...	...

NA=not available; p=preliminary; r=revised; e=estimated. *Indicates series shown in charts. (See page 13.)

¹ Includes deliveries for which, under Public Law 93-199, Israel has been released from its contractual liability to pay.

² Excludes funds made available under Public Law 93-199 to release Israel from its contractual liability to pay for defense articles and services purchased through military sales contracts. Quarterly expenditures for such purpose under Public Law 93-199 amounted to (in millions): 1974, IIQ, \$623; IIIQ, \$223; IVQ, \$91; 1975, IQ, \$187.

Appendix A. SEASONAL ADJUSTMENT FACTORS

Series title	1975											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
MONTHLY SERIES												
Defense Department gross obligations incurred:												
617. Total ¹	112.4	92.5	86.7	93.3	82.9	128.5	115.0	104.3	97.4	107.8	86.5	89.5
619. Operations ¹	106.3	88.2	91.2	104.1	93.0	112.9	118.1	100.2	95.6	108.3	90.5	90.5
621. Procurement	133.1	104.0	84.9	80.5	62.0	164.0	72.8	88.9	98.1	112.3	107.0	91.4
623. Gross obligations incurred outside the Federal Government for national defense ¹	106.4	87.7	92.5	94.6	87.7	114.0	117.4	104.5	96.5	103.1	96.6	97.5
625. Defense Department military prime contract awards for work performed in the United States	96.6	83.3	93.2	70.7	69.1	175.6	113.9	104.4	103.2	107.2	90.8	90.6
Defense Department gross unpaid obligations outstanding: ²												
643. Total	102.5	102.2	99.2	97.8	93.6	95.7	98.4	101.4	101.9	103.7	102.5	100.9
644. Operations	106.7	100.8	93.7	93.2	88.0	87.5	97.7	104.8	104.7	113.3	108.1	101.3
645. Procurement	102.6	103.6	101.7	99.9	96.9	99.5	99.2	97.7	98.2	99.4	100.4	100.7
648. Manufacturers' new orders, defense products ³	94.9	98.1	98.4	87.5	71.2	93.1	178.1	85.4	116.2	104.9	91.8	106.5
653. Average weekly overtime hours, production workers, defense products industries ⁴	-1.1	-1.1	-1.1	-1.3	-2.2	.0	-3.3	-1.1	.3	.1	.3	.4
654. Accession rate, defense products industries ⁴	.0	-3.3	-2.2	-2.2	.0	.7	.2	.4	.3	.0	-2.2	-7.7
655. Layoff rate, defense products industries ⁴	.1	.1	.1	.0	.0	-1.1	-2.2	-1.1	-1.1	.0	.1	.0
657. Output of defense and space equipment ⁴	100.0	99.9	100.4	99.4	99.9	100.7	98.6	98.9	100.1	100.1	100.9	101.8
659. Manufacturers' inventories, defense products ³	98.6	99.8	101.3	100.6	100.0	99.9	100.2	99.2	99.7	100.6	100.6	99.4
661. Manufacturers' unfilled orders, defense products ³	101.0	101.2	101.0	99.8	97.3	96.3	101.0	99.7	100.5	101.0	99.9	99.8
Employment in defense products industries:												
670. Total	100.3	100.1	99.8	99.6	99.4	99.8	99.5	99.4	100.1	100.3	100.8	100.6
671. Production workers	100.6	100.4	99.9	99.6	99.1	99.5	99.0	99.0	100.1	100.3	101.2	101.2
673. Index of aggregate weekly man-hours, defense products industries	100.0	100.0	99.9	99.2	99.4	99.8	98.7	99.0	100.3	100.3	101.4	101.7
675. Index of aggregate weekly payrolls, production workers, defense products industries	100.1	100.4	100.2	98.6	98.6	98.8	96.9	98.1	100.6	100.5	102.5	104.4
Defense Department net outlays:												
680. Total, military functions and military assistance ¹	104.2	95.6	100.8	103.3	103.8	118.0	86.1	92.6	96.4	102.3	95.1	100.3
681. Operations ¹	103.7	96.3	99.1	104.5	98.9	112.7	95.4	96.9	94.6	100.9	97.4	100.2
682. Procurement ¹	99.9	93.6	104.1	102.2	104.3	116.0	96.6	95.4	97.9	105.3	88.6	92.4
683. Budget outlays for the national defense function ¹	103.8	95.3	100.7	103.5	102.7	118.1	87.3	91.5	97.0	102.8	95.4	97.1
685. Defense Department personnel compensation ¹	105.5	98.1	100.5	101.1	100.7	98.4	101.6	98.3	97.9	100.3	97.9	98.3
688. Manufacturers' shipments, defense products ³	88.0	96.4	99.5	99.6	98.9	105.6	98.1	99.1	103.4	99.5	102.9	108.3
QUARTERLY SERIES												
	IQ			IIQ			IIIQ			IVQ		
200. Gross national product ⁵	96.1			100.9			98.4			104.5		
264. Fed. Govt. purchases of goods and services, national defense ³	99.2			104.9			95.0			100.9		
546. Transfers under U.S. military agency sales contracts-exports ⁵	-24			60			-50			15		
Defense Department military prime contract awards:												
626. Aircraft	92.8			115.6			102.5			89.0		
627. Missile and space systems	88.4			69.9			133.0			108.9		
629. Weapons and ammunition	97.5			138.7			43.3			120.1		
630. Electronic and communications equipment	92.8			127.2			83.0			96.9		
631. Combat vehicles	48.2			141.1			110.4			101.4		
632. Other hard goods	90.3			146.0			69.3			94.6		
633. Soft goods	74.7			75.7			146.6			103.3		
634. Construction	89.1			181.4			66.0			63.7		
635. Services	60.8			105.4			123.9			109.5		
636. Under \$10,000	99.3			124.5			83.5			92.7		
637. Educational and nonprofit institutions	80.0			91.5			105.9			124.0		
640. Outside U.S.	78.1			88.2			163.3			70.5		
Aerospace industries:												
650. Manufacturers' new orders from the U.S. Government	91.3			89.6			121.0			97.3		
664. Manufacturers' unfilled orders from the U.S. Government	100.7			95.9			102.1			101.1		
689. Manufacturers' shipments to the U.S. Government	94.2			102.3			99.1			104.5		
696. U.S. Govt. cash receipts associated with military sales contracts ⁵	-45			-8			-2			55		

NOTE: The seasonal adjustment factors presented in this table were computed using the techniques described in the Bureau of the Census Technical Paper No. 15, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*.

Monthly data for Defense Department military prime contract awards by commodity category (series 626 to 640) have not been adjusted for seasonal variation. The series on direct defense expenditures—imports (series 547), Defense Department progress payments outstanding (series 666), and Defense Department manpower (series 677 and 678) contain no measurable seasonal variation.

¹ Factors are products of seasonal and trading-day factors.

² Prior to 1972, data for gross unpaid obligations outstanding are not available for a number

of months but these gaps were filled with averages of preceding and following months for purposes of estimating seasonal variation.

³ These series have been adjusted by the source agencies. The factors shown here are implicit seasonal factors for the calendar year 1973 and are derived by dividing the seasonally unadjusted data by the seasonally adjusted data.

⁴ These series have been seasonally adjusted using the additive version of the seasonal adjustment program. Seasonally adjusted data are derived by subtracting the adjustment factor from the unadjusted data. Seasonally adjusted data for other series are derived by dividing the seasonal factors into the unadjusted data.

⁵ This series is the total of component series which have been adjusted separately by the source agency. The factors shown here are implicit seasonal factors for the calendar year 1974 and are derived by subtracting the seasonally adjusted data from the seasonally unadjusted data.

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY

Part 1. Monthly Series

Series title	Period covered	\bar{O}	\bar{CI}	\bar{I}	\bar{C}	\bar{I}/\bar{C}	MCD	Average duration of run (ADR)	
								CI	MCD
Defense Department gross obligations incurred:									
617. Total	Jan. '57-Jan. '74	18.68	7.38	7.29	0.75	9.72	6	1.53	2.31
619. Operations	July '59-Jan. '74	8.33	2.61	2.50	.64	3.88	4	1.72	3.00
621. Procurement	Jan. '57-Jan. '74	45.13	22.23	22.10	1.68	13.19	6	1.49	2.12
623. Gross obligations incurred outside the Federal Government for national defense	July '63-Jan. '74	(NA)	6.94	6.82	.74	9.21	6	1.52	2.47
625. Defense Department military prime contract awards for work performed in the United States, total	Jan. '57-Jan. '74	33.17	15.07	14.94	1.32	11.33	6	1.39	2.03
Defense Department gross unpaid obligations outstanding:									
643. Total	Jan. '57-Jan. '74	2.08	1.36	.90	.91	.99	1	2.58	2.58
644. Operations	Jan. '67-Jan. '74	5.47	2.48	2.16	1.06	2.03	3	2.00	4.82
645. Procurement	Jan. '67-Jan. '74	2.49	1.51	.99	.99	1.00	2	2.15	4.88
Manufacturers' new orders:									
647. Defense products industries	Jan. '57-Mar. '72	(NA)	15.11	14.89	.97	15.32	6	1.58	2.33
648. Defense products	Feb. '68-Jan. '74	25.69	19.12	19.01	1.59	11.94	6	1.45	2.00
*653. Average weekly overtime hours, production workers, defense products industries (hours)	Jan. '58-Jan. '74	.22	.13	.13	.05	2.84	3	2.13	4.22
*654. Accession rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74	.39	.16	.15	.05	3.12	4	2.26	3.78
*655. Layoff rate, defense products industries (per 100 employees)	Jan. '58-Jan. '74	.17	.13	.13	.04	3.07	4	2.02	4.02
657. Output of defense and space equipment	Jan. '54-Jan. '74	(NA)	.98	.48	.79	.60	1	4.07	4.07
Manufacturers' inventories:									
658. Defense products industries	Jan. '57-Mar. '72	(NA)	1.04	.52	.85	.62	1	2.80	2.80
659. Defense products	Jan. '68-Jan. '74	1.89	1.74	1.16	1.27	.92	1	3.00	3.00
Manufacturers' unfilled orders:									
660. Defense products industries	Jan. '57-Mar. '72	(NA)	1.23	.90	.83	1.09	2	2.76	3.42
661. Defense products	Jan. '68-Jan. '74	1.93	1.64	1.11	.99	1.11	2	2.77	3.94
Employment in defense products industries:									
670. Total	Jan. '58-Jan. '74	.74	.68	.25	.60	.42	1	4.68	4.68
671. Production workers	Jan. '58-Jan. '74	1.02	.86	.43	.69	.63	1	3.62	3.62
673. Index of aggregate weekly man-hours, defense products industries	Jan. '58-Jan. '74	.92	.75	.35	.62	.56	1	4.09	4.09
675. Index of aggregate weekly payrolls, production workers, defense products industries	Jan. '58-Jan. '74	1.61	1.07	.65	.81	.80	1	3.05	3.05
Defense Department manpower:									
677. Military	Jan. '57-Jan. '74	.66	(NA)	.26	.59	.44	1	4.25	4.25
678. Civilian	Jan. '57-Jan. '74	.55	(NA)	.33	.43	.79	1	4.25	4.25
Defense Department net outlays:									
680. Total, military functions and military assistance	Jan. '57-Jan. '74	9.06	3.97	3.87	.75	5.18	6	1.71	3.16
681. Operations	July '59-Jan. '74	7.57	3.52	3.31	.70	4.75	5	1.61	2.43
682. Procurement	Jan. '57-Jan. '74	15.02	11.57	11.44	1.55	7.38	6	1.59	2.88
683. Budget outlays for the national defense function	Jan. '57-Jan. '74	(NA)	4.09	4.02	.69	5.82	6	1.58	3.02
685. Defense Department personnel compensation	Jan. '67-Jan. '74	2.72	1.40	1.21	.53	2.29	4	2.55	4.26
Manufacturers' shippers:									
687. Defense products industries	Jan. '57-Mar. '72	(NA)	2.67	2.49	.87	2.85	3	1.64	3.40
688. Defense products	Jan. '68-Jan. '74	6.98	4.45	4.40	.95	4.62	5	1.41	2.83
Ratio, manufacturers' unfilled orders to shipments:									
690. Defense products industries	Jan. '57-Mar. '72	(NA)	2.95	2.71	.96	2.82	4	1.90	3.81
691. Defense products	Jan. '68-Jan. '74	8.23	5.09	5.05	.93	5.46	6	1.60	3.05
Ratio, manufacturers' inventories to shipments:									
692. Defense products industries	Jan. '57-Mar. '72	(NA)	2.84	2.90	.72	4.01	5	2.46	5.74
693. Defense products	Jan. '68-Jan. '74	8.05	5.37	5.44	.75	7.20	6	1.76	3.35

NA = not available.

*Measures for these series are based on actual changes rather than percent changes (see definition below). @ indicates measures are based on unadjusted data.

BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 1

The measures in this appendix provide a historical perspective for interpreting current changes in each series. They are derived using the Census X-11 seasonal adjustment program. Brief definitions of the measures are given below; more complete definitions appear in *Electronic Computers and Business Indicators* by Julius Shiskin, issued as Occasional Paper 57 by the National Bureau of Economic Research, 1957 (reprinted from *Journal of Business*, October 1957).

" \bar{O} " is the average month-to-month percent change, without regard to sign, in the original unadjusted series. (See final paragraph below for exceptions to these definitions.)

" \bar{CI} " is the same for the seasonally adjusted series.

" \bar{C} " is the same for the short-term trend, which is a smooth, flexible moving average of the seasonally adjusted series.

" \bar{I} " is the same for the irregular component, which is obtained by dividing the seasonally adjusted series by the short-term trend.

" \bar{I}/\bar{C} " measures the relative smoothness (small values) or irregularity (large values) of the seasonally adjusted series. It is the ratio of the average monthly percent change (without regard to sign) in the irregular component to the average monthly percent change (without regard to sign) in the short-term trend.

"MCD" (months for cyclical dominance) estimates the number of months required for the short-term trend to dominate the irregular component. Average percent changes are computed for spans of from 1 to 12 months for both the irregular component and the short-term trend. MCD is the shortest span of months for which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All MCD's greater than "5" are shown as "6".

Appendix B. AVERAGE CHANGES AND RELATED MEASURES OF VARIABILITY—Continued

"Average Duration of Run" (ADR) is another measure of smoothness and is equal to the average number of consecutive monthly changes in the same direction in any series of observations. When there is no change between two observations, a change in the same direction as the preceding change is assumed. The ADR is shown for the seasonally adjusted series (CI) and the MCD curve, which is a moving average (with the number of terms equal to MCD) of the seasonally adjusted series. A comparison of these measures with the expected ADR of a random series indicates whether the changes approximate those of a random series. In a random series, the expected ADR is 1.5 and the actual values fall between 1.36 and 1.75 about 95 percent of the time. For a moving average of a random series, the expected ADR is 2.

Measures for series identified with an asterisk (*) are computed by an additive method. This method is used for series with zero or negative data, series which could approach zero, and series expressed in percent. In this method, the measures are defined the same as above except for two differences: (1) the measures are based on actual month-to-month changes (rather than percent changes) and (2) the irregular component is obtained by subtracting the short-term trend from the seasonally adjusted series. The average changes shown above for the components of such a series are in the same unit of measure as the series itself. The unit is indicated in the series title.

Part 2. Quarterly Series

Series title	Period covered	\bar{O}	\bar{CI}	\bar{I}	\bar{C}	$\bar{T/C}$	QCD	Average duration of run (ADR)	
								CI	QCD
200. Gross national product	IQ '57-IVQ '73 ...	5.70	1.79	0.32	1.73	0.18	1	9.57	9.57
264. Federal Government purchases of goods and services, national defense ...	IQ '57-IVQ '73 ...	6.18	2.00	.76	1.71	.45	1	3.05	3.05
*546. Transfers under U.S. military agency sales contracts—exports (mil. dol.) ...	IQ '60-IVQ '73 ...	76.33	54.22	39.30	29.71	1.32	2	1.67	2.35
*547. Direct defense expenditures—imports (mil. dol.) (U)	IQ '60-IVQ '73 ...	34.27	(NA)	26.55	21.70	1.22	2	1.83	2.70
*613. National defense purchases as a percent of GNP (percent)	IQ '57-IVQ '73 ...	.33	.18	.08	.16	.48	1	5.58	5.58
650. Manufacturers' new orders from the U.S. Government, aerospace industries	IQ '61-IVQ '73 ...	(NA)	16.77	14.80	5.06	2.92	4	1.38	1.66
664. Manufacturers' unfilled orders from the U.S. Government, aerospace industries	IQ '61-IVQ '73 ...	(NA)	3.75	2.31	2.51	.92	1	2.32	2.32
666. Defense Department progress payments outstanding (U)	IQ '57-IVQ '73 ...	4.73	(NA)	2.25	4.22	.53	1	2.48	2.48
689. Manufacturers' shipments to the U.S. Government, aerospace industries ..	IQ '61-IVQ '73 ...	(NA)	4.16	3.27	1.99	1.64	2	1.70	2.27
*696. U.S. Government cash receipts associated with military sales contracts (million dollars)	IQ '60-IVQ '73 ...	96.62	73.64	56.86	38.62	1.47	2	1.57	2.35

NA = not available.

*Measures for these series are based on actual changes rather than percent changes (see definition below). (U) indicates measures are based on unadjusted data.

BRIEF DEFINITIONS OF MEASURES SHOWN IN PART 2

These measures are defined the same as those in part 1 except that they are based on quarter-to-quarter percent changes. For example, \bar{CI} is the average quarter-to-quarter percent change (without regard to sign) in the seasonally adjusted series.

In deriving "QCD" (quarters for cyclical dominance), average percent changes are computed for spans of from one to four quarters for the irregular component and the short-term trend. QCD is the shortest span of quarters for

which the average percent change (without regard to sign) in the short-term trend is greater than that in the irregular component. All QCD's greater than "3" are shown as "4". The "Average Duration of Run" (ADR) measures are also expressed in quarters.

As in part 1, measures for series identified with an asterisk (*) are computed by an additive method. This method is the same as that used for the monthly series except for the use of quarterly data rather than monthly.

Appendix C. HISTORICAL DATA

This appendix provides historical data (back to 1945 if available) for selected Defense Indicators series. Data are shown for series which (a) have recently been added to the report, (b) have recently been revised, or (c) have not been shown here for a long time. By keeping these tables, the user can acquire a complete set of historical data. Each time a series is included in this appendix, it is footnoted to indicate the extent of any revisions since it was last shown. See the "Alphabetical Index—Series Finding Guide" for the latest issue in which historical data

were published for each series. Current figures are shown in the basic data tables each month and may be used to update these historical tables.

Official source agency annual figures are shown if available. Such figures may differ slightly from those computed from the monthly or quarterly data appearing in the tables. When both seasonally adjusted and unadjusted data are shown for a series, annual figures are included only for the unadjusted data. Quarterly and annual data are not included for moving averages.

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
625. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK PERFORMED IN THE U.S., TOTAL, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
														TOTAL FOR PERIOD			
1951...	4,004	2,508	2,974	2,878	3,730	7,917	2,946	2,180	1,834	2,295	2,074	3,413	9,486	14,525	6,960	7,782	38,753
1952...	2,505	3,961	3,003	2,067	3,022	12,182	828	524	1,684	1,729	2,000	3,202	9,469	17,271	3,036	6,931	36,707
1953...	3,557	1,675	2,521	2,416	1,995	5,689	1,441	585	810	1,771	164	408	7,753	10,102	2,836	1,343	22,034
1954...	581	416	909	1,039	1,286	3,038	622	425	2,012	1,817	302	967	1,906	5,363	3,059	3,086	13,414
1955...	962	969	1,191	1,414	807	3,442	726	805	608	934	1,074	3,015	3,122	5,663	2,139	5,023	15,947
1956...	1,232	1,159	1,803	1,025	1,397	4,406	896	1,372	2,137	1,643	1,582	2,593	4,194	6,828	4,405	5,818	21,245
1957...	1,452	1,594	1,871	1,699	637	2,380	1,222	853	1,337	1,361	1,470	2,243	4,917	4,716	3,412	5,074	18,119
1958...	1,714	1,019	2,683	1,628	2,404	4,819	1,150	1,120	2,356	1,679	1,372	2,996	5,416	8,851	4,626	6,047	24,940
1959...	1,328	1,556	2,363	1,728	1,501	4,753	1,644	1,349	1,834	1,827	1,677	1,583	5,247	7,982	4,827	5,087	23,143
1960...	1,524	1,447	2,279	1,395	1,788	4,116	1,592	1,626	2,297	1,310	1,554	2,183	5,250	7,299	5,515	5,047	23,111
1961...	1,697	1,812	2,337	1,867	1,519	4,511	1,483	1,706	2,116	2,524	1,851	2,611	5,846	7,897	5,305	6,986	26,034
1962...	2,898	1,831	2,927	1,935	1,800	4,118	1,448	1,846	2,138	2,870	2,386	1,997	7,656	8,853	5,432	7,253	28,194
1963...	2,235	2,185	2,736	1,760	2,085	4,422	1,788	2,395	2,825	2,142	1,471	2,014	7,156	8,267	7,008	5,627	28,058
1964...	2,220	2,473	2,090	2,214	2,305	3,534	2,198	1,773	2,356	1,941	1,679	1,835	6,783	8,053	6,327	5,455	26,618
1965...	1,975	1,536	2,473	2,556	1,907	4,402	2,089	2,517	2,675	2,684	2,402	2,722	5,984	8,865	7,281	7,408	29,438
1966...	2,766	2,377	2,835	3,042	2,743	6,861	3,735	2,874	3,927	3,221	2,596	3,207	7,978	12,646	10,536	9,024	40,164
1967...	3,135	3,179	2,876	2,675	3,713	6,680	3,407	3,343	4,088	3,456	2,653	3,183	9,190	13,068	10,838	9,292	42,388
1968...	2,685	2,770	2,943	3,090	3,858	5,766	3,811	2,872	4,400	3,852	2,682	3,523	8,398	12,714	11,083	10,057	42,252
1969...	3,021	2,963	2,463	2,280	2,582	4,862	3,012	2,788	3,160	3,271	2,111	2,710	8,447	9,724	8,960	8,092	35,223
1970...	2,527	2,269	2,457	2,070	2,140	5,054	2,828	2,601	2,497	3,852	2,120	3,124	7,253	9,264	7,926	9,096	33,539
1971...	2,215	2,271	2,871	2,187	1,778	4,100	2,808	3,016	3,134	2,715	2,532	3,152	7,357	8,065	6,358	8,356	33,179
1972...	3,210	2,499	2,871	2,167	2,204	5,574	3,415	2,593	2,815	3,008	2,997	2,611	8,580	9,945	8,823	8,616	35,964
1973...	2,578	2,418	2,841	1,854	2,489	5,122	2,357	3,224	3,309	3,198	2,967	2,944	7,837	9,465	8,890	9,109	35,301
1974...																	
1975...																	
625. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK PERFORMED IN THE U.S., TOTAL, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
														TOTAL FOR PERIOD			
1951...	3,976	3,493	3,001	2,892	3,760	2,759	4,097	4,241	2,333	2,823	3,402	3,399	10,470	9,411	10,671	9,684	
1952...	2,528	5,479	2,959	2,088	3,059	4,292	1,158	1,002	2,116	2,143	3,295	3,148	10,966	9,439	4,276	8,584	
1953...	3,682	2,295	2,381	2,462	2,038	2,042	2,035	1,089	1,004	959	265	390	8,358	6,542	4,128	1,614	
1954...	616	564	826	1,068	1,326	1,116	886	767	2,454	2,271	481	913	2,006	3,510	4,107	3,665	
1955...	1,049	1,306	1,028	1,468	841	1,287	971	1,231	597	1,136	1,310	2,194	3,383	3,596	2,799	4,640	
1956...	1,474	1,388	1,502	1,404	1,782	2,024	1,196	2,108	2,091	1,972	1,934	1,891	4,364	5,210	5,395	5,797	
1957...	1,756	1,927	1,563	2,312	808	1,093	1,619	1,310	1,297	1,594	1,819	1,671	5,246	4,213	4,226	5,084	
1958...	2,103	1,232	2,243	2,142	3,043	2,228	1,911	1,692	2,308	1,680	1,704	2,328	5,578	7,413	5,511	5,912	
1959...	1,625	1,898	1,966	2,204	1,893	2,222	2,192	1,964	1,793	1,937	2,102	1,998	5,489	6,319	5,949	5,337	
1960...	1,850	1,754	1,904	1,726	2,252	1,963	2,151	2,200	2,250	1,327	1,938	1,922	5,508	5,941	6,601	5,187	
1961...	1,989	2,186	1,987	2,274	1,855	2,229	1,993	2,143	2,033	2,494	2,308	2,491	6,162	6,358	6,164	7,293	
1962...	3,271	2,180	2,552	2,295	2,140	2,127	1,888	2,167	2,032	2,814	2,946	2,044	6,003	6,562	6,087	7,804	
1963...	2,429	2,611	2,463	2,023	2,413	2,366	2,216	2,722	2,635	2,119	1,814	2,149	7,503	6,802	7,573	6,082	
1964...	2,372	2,958	1,966	2,502	2,640	1,910	2,580	1,963	2,163	1,967	2,075	1,997	7,296	7,052	6,706	6,039	
1965...	2,097	1,846	2,451	2,843	2,150	2,390	2,313	2,775	2,419	2,790	2,995	2,988	6,394	7,383	7,507	8,773	
1966...	2,952	2,906	2,956	3,461	2,978	3,693	3,940	3,165	3,541	3,383	3,225	3,513	8,814	10,132	10,646	10,121	
1967...	3,364	3,930	3,034	3,026	4,040	3,566	3,545	3,690	3,720	3,626	3,308	3,479	10,328	10,632	10,955	10,413	
1968...	2,887	3,445	3,124	3,488	4,203	3,067	3,937	3,173	3,836	3,903	3,378	3,613	9,456	10,758	10,946	10,694	
1969...	3,398	3,441	2,904	2,825	3,070	2,744	2,896	3,001	2,680	2,987	2,734	2,765	9,743	8,639	8,577	8,486	
1970...	2,855	2,623	2,904	2,591	2,545	2,896	2,717	2,782	2,113	3,464	2,746	3,181	8,382	8,032	7,612	9,391	
1971...	2,508	2,704	3,104	2,928	2,231	2,324	2,916	3,093	3,982	2,606	3,092	3,066	8,316	7,483	8,991	8,764	
1972...	3,520	2,982	3,025	2,985	2,786	3,154	3,074	2,638	2,725	2,946	3,589	2,532	9,527	8,925	8,437	9,067	
1973...	2,824	2,899	2,947	2,568	3,171	2,897	2,106	3,276	3,222	3,176	3,515	2,850	8,670	8,636	8,604	9,541	
1974...																	
1975...																	

NOTE: These series contain no revisions but are reprinted for the convenience of the user. Data prior to July 1955 exclude orders written to other Government agencies. (JULY 1975)

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
625. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK PERFORMED IN THE U.S., TOTAL, 6-MONTH MOVING AVERAGE OF SEASONALLY ADJUSTED DATA ¹ (MILLIONS OF DOLLARS)																	
1951...	...	...	...	3,314	3,334	3,458	3,347	3,336	3,286	3,393	3,131	3,337					
1952...	3,442	3,319	3,252	3,401	3,177	2,426	2,286	2,295	2,334	2,144	2,564	2,780					
1953...	2,824	2,877	2,668	2,483	2,209	2,008	1,778	1,526	1,232	957	721	633					
1954...	603	622	798	919	994	998	1,270	1,470	1,329	1,295	1,323	1,412					
1955...	1,175	1,041	1,101	1,163	1,150	1,138	1,056	1,010	1,089	1,240	1,324	1,350					
1956...	1,501	1,545	1,624	1,596	1,549	1,669	1,768	1,862	1,888	1,865	1,959	1,929					
1957...	1,841	1,897	1,710	1,577	1,554	1,451	1,407	1,287	1,455	1,552	1,632	1,619					
1958...	1,777	1,868	2,072	2,165	2,067	2,143	2,154	2,110	1,887	1,904	1,923	1,957					
1959...	1,900	1,954	1,986	1,968	2,063	2,074	2,045	2,000	2,035	1,881	1,824	1,789					
1960...	1,806	1,772	1,797	1,908	1,954	2,033	2,090	2,024	1,972	1,965	1,938	1,935					
1961...	1,892	2,049	2,036	2,087	2,087	2,080	2,088	2,125	2,200	2,244	2,457	2,463					
1962...	2,549	2,516	2,486	2,428	2,197	2,195	2,108	2,195	2,329	2,315	2,405	2,479					
1963...	2,551	2,419	2,331	2,384	2,340	2,367	2,396	2,412	2,312	2,276	2,302	2,341					
1964...	2,230	2,294	2,431	2,391	2,426	2,260	2,293	2,204	2,110	2,124	2,044	2,024					
1965...	2,072	2,218	2,231	2,294	2,339	2,487	2,482	2,473	2,614	2,713	2,820	2,842					
1966...	2,931	3,043	3,040	3,158	3,322	3,366	3,463	3,450	3,491	3,461	3,365	3,493					
1967...	3,408	3,349	3,484	3,493	3,524	3,484	3,598	3,698	3,576	3,561	3,452	3,411					
1968...	3,312	3,286	3,438	3,364	3,544	3,499	3,617	3,686	3,549	3,640	3,550	3,595					
1969...	3,440	3,260	3,208	3,064	2,980	2,907	2,869	2,896	2,840	2,844	2,837	2,774					
1970...	2,812	2,746	2,714	2,736	2,713	2,739	2,607	2,753	2,786	2,834	2,799	2,786					
1971...	2,951	2,862	2,776	2,632	2,701	2,766	2,746	2,692	2,836	2,959	3,060	3,041					
1972...	3,046	3,112	3,061	3,075	3,001	2,944	2,894	2,887	3,021	2,917	2,876	2,919					
1973...	2,956	2,893	2,824	2,884	2,765	2,828	2,673	2,975	3,032	3,024	3,236	3,214					
1974...																	
1975...																	
626. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, AIRCRAFT, NOT SEASONALLY ADJUSTED ² (MILLIONS OF DOLLARS)																	
													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	876	2,114	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	1,883	2,541	1,039	1,706	7,169
1959...	...	...	...	...	...	...	...	...	...	...	...	...	1,666	2,076	1,074	979	5,795
1960...	...	...	...	...	...	...	...	...	...	...	...	...	1,132	1,603	1,140	1,051	4,926
1961...	...	...	...	...	...	...	...	...	...	...	...	...	915	1,830	738	1,441	4,924
1962...	...	...	...	...	...	...	...	...	...	...	...	...	1,657	1,267	919	1,673	5,516
1963...	...	...	...	...	...	...	...	...	...	...	...	...	1,200	1,687	1,714	1,136	5,737
1964...	...	...	...	...	...	...	...	...	...	...	...	...	1,754	1,463	1,210	1,092	5,519
1965...	...	...	...	...	...	...	...	...	...	...	...	...	1,133	2,346	1,404	1,512	6,395
1966...	792	617	535	655	458	1,872	842	873	981	919	618	724	1,944	2,985	2,696	2,261	9,886
1967...	784	788	529	432	1,240	1,377	393	635	1,484	1,249	578	605	2,101	3,049	2,512	2,632	10,294
1968...	442	529	574	834	1,129	1,006	426	577	1,156	594	534	698	1,545	2,969	2,159	2,026	8,699
1969...	891	741	545	444	384	1,175	356	629	689	569	511	526	2,177	2,005	1,674	1,606	7,462
1970...	595	334	701	404	591	1,032	829	602	473	991	352	533	1,630	2,087	1,904	1,876	7,497
1971...	553	328	797	390	339	902	796	1,061	722	627	597	564	1,678	1,631	2,579	1,788	7,676
1972...	634	469	726	471	367	1,586	955	529	523	395	427	612	1,829	2,424	2,007	1,434	7,694
1973...	728	328	721	122	866	1,243	396	611	867	939	686	316	1,777	2,231	1,874	1,941	7,823
1974...																	
1975...																	
627. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, MISSILE AND SPACE SYSTEMS, NOT SEASONALLY ADJUSTED ² (MILLIONS OF DOLLARS)																	
													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	158	653	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	829	1,197	640	1,249	3,915
1959...	...	...	...	...	...	...	...	...	...	...	...	...	1,095	1,506	695	1,478	4,774
1960...	...	...	...	...	...	...	...	...	...	...	...	...	1,261	1,950	1,387	1,319	5,517
1961...	...	...	...	...	...	...	...	...	...	...	...	...	1,511	1,667	1,399	1,586	6,163
1962...	...	...	...	...	...	...	...	...	...	...	...	...	1,963	1,741	1,461	1,513	6,678
1963...	...	...	...	...	...	...	...	...	...	...	...	...	2,000	1,714	1,671	1,421	6,806
1964...	...	...	...	...	...	...	...	...	...	...	...	...	1,116	1,371	1,388	702	4,577
1965...	...	...	...	...	...	...	...	...	...	...	...	...	1,243	900	1,167	1,058	4,368
1966...	403	269	325	300	173	484	358	305	581	343	258	242	997	957	1,244	843	4,041
1967...	361	352	449	295	256	589	495	516	514	322	412	311	1,162	1,140	1,525	1,045	4,872
1968...	345	419	387	317	449	294	997	270	815	479	308	462	1,151	1,060	2,082	1,249	5,542
1969...	282	318	263	276	298	537	480	450	409	641	215	473	863	1,111	1,339	1,329	4,642
1970...	488	275	236	259	204	712	357	624	567	341	222	722	999	1,177	1,548	1,285	5,009
1971...	383	223	269	230	199	349	506	433	666	530	279	472	875	778	1,605	1,281	4,039
1972...	359	410	473	257	209	481	681	326	481	516	491	359	1,242	947	1,488	1,366	5,043
1973...	377	297	504	233	129	349	207	921	435	368	283	563	1,178	711	1,563	1,214	4,666
1974...																	
1975...																	
628. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SHIPS, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	
													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	61	184	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	186	217	113	350	666
1959...	...	...	...	...	...	...	...	...	...	...	...	...	233	399	262	158	1,052
1960...	...	...	...	...	...	...	...	...	...	...	...	...	300	290	276	352	1,218
1961...	...	...	...	...	...	...	...	...	...	...	...	...	353	395	463	333	1,534
1962...	...	...	...	...	...	...	...	...	...	...	...	...	406	273	302	547	1,528
1963...	...	...	...	...	...	...	...	...	...	...	...	...	440	394	422	204	1,462
1964...	...	...	...	...	...	...	...	...	...	...	...	...	206	651	407	360	1,624
1965...	...	...	...	...	...	...	...	...	...	...	...	...	377	547	212	286	1,422
1966...	73	71	210	152	94	244	156	210	502	81	48	110	354	491	671	239	1,955
1967...	90	418	171	72	129	205	178	104	134	153	146	110	679	406	476	409	1,910
1968...	108	77	236	79	224	499	199	213	174	115	109	98	421	802	586	322	2,131
1969...	93	116	103	65	172	123	51	135	380	131	51	325	312	360	566	507	1,745
1970...	59	95	67	59	57	341	95	149	76	711	172	52	221	457	320	935	1,933
1971...	64	435	498	144	54	140	148	147	197	24	160	283	1,021	343	492	407	2,263
1972...	851	132	165	59	89	194	160	370	311	276	266	148	1,148	342	641	690	3,021
1973...	84	378	85	62	74	139	337	220	203	161	465	588	547	299	760	1,214	2,820
1974...								</									

Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
629. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, WEAPONS AND AMMUNITION, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	97	51	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	130	232	58	69	509
1959...	...	...	...	...	...	...	...	...	...	...	...	...	109	317	82	95	583
1960...	...	...	...	...	...	...	...	...	...	...	...	...	146	294	133	123	696
1961...	...	...	...	...	...	...	...	...	...	...	...	...	177	262	188	374	1,001
1962...	...	...	...	...	...	...	...	...	...	...	...	...	280	299	145	301	1,025
1963...	...	...	...	...	...	...	...	...	...	...	...	...	310	344	154	170	978
1964...	...	...	...	...	...	...	...	...	...	...	...	...	266	282	163	287	1,018
1965...	...	...	...	...	...	...	...	...	...	...	...	...	174	414	403	910	1,901
1966...	190	159	196	339	400	743	220	235	237	290	259	382	545	1,482	692	931	3,650
1967...	346	213	256	279	518	971	91	415	597	454	443	438	815	1,768	1,103	1,335	5,021
1968...	225	416	382	423	431	877	99	559	619	1,280	569	415	1,023	1,731	1,277	2,264	6,295
1969...	383	356	237	186	358	435	114	126	429	447	303	292	976	979	669	1,042	3,666
1970...	286	198	255	204	209	514	33	96	169	316	207	274	739	927	298	797	2,761
1971...	190	272	177	206	128	402	10	79	282	147	428	411	639	736	371	986	2,732
1972...	257	250	225	235	225	448	41	82	166	292	269	236	732	908	269	797	2,726
1973...	207	226	195	150	184	566	21	81	114	105	106	192	626	900	216	403	2,147
1974...																	
1975...																	
630. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, ELECTRONIC AND COMMUNICATIONS EQUIPMENT, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	176	260	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	537	1,014	372	520	2,443
1959...	...	...	...	...	...	...	...	...	...	...	...	...	417	1,165	473	631	2,686
1960...	...	...	...	...	...	...	...	...	...	...	...	...	709	1,213	536	546	2,998
1961...	...	...	...	...	...	...	...	...	...	...	...	...	848	1,230	351	966	3,335
1962...	...	...	...	...	...	...	...	...	...	...	...	...	814	1,236	594	668	3,312
1963...	...	...	...	...	...	...	...	...	...	...	...	...	753	1,046	519	523	2,841
1964...	...	...	...	...	...	...	...	...	...	...	...	...	707	1,169	487	536	2,899
1965...	...	...	...	...	...	...	...	...	...	...	...	...	592	1,163	533	701	2,939
1966...	272	287	302	357	296	890	149	187	269	304	318	285	861	1,543	605	907	3,916
1967...	343	257	322	478	333	1,002	166	296	257	268	241	302	922	1,613	719	811	4,265
1968...	308	259	240	328	407	722	204	318	303	259	290	349	807	1,457	825	898	3,987
1969...	258	259	272	304	396	657	194	230	220	361	231	327	789	1,357	644	919	3,709
1970...	267	264	247	283	263	523	320	223	192	402	163	286	778	1,069	735	851	3,433
1971...	252	230	255	227	174	552	252	367	364	212	246	278	737	953	983	736	3,409
1972...	307	324	347	248	272	731	234	215	298	302	401	228	978	1,251	747	931	3,907
1973...	214	215	420	237	351	654	131	354	313	248	392	261	849	1,242	796	901	3,790
1974...																	
1975...																	
631. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, COMBAT VEHICLES, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	11	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	49	208	18	3	278
1959...	...	...	...	...	...	...	...	...	...	...	...	...	5	104	13	16	138
1960...	...	...	...	...	...	...	...	...	...	...	...	...	38	176	7	33	234
1961...	...	...	...	...	...	...	...	...	...	...	...	...	174	63	33	171	441
1962...	...	...	...	...	...	...	...	...	...	...	...	...	157	192	65	168	582
1963...	...	...	...	...	...	...	...	...	...	...	...	...	205	136	6	129	478
1964...	...	...	...	...	...	...	...	...	...	...	...	...	93	90	32	63	278
1965...	...	...	...	...	...	...	...	...	...	...	...	...	22	145	143	97	467
1966...	36	36	42	43	45	133	39	22	78	57	74	64	114	221	139	195	669
1967...	12	10	35	58	28	139	46	104	23	42	40	17	57	229	173	95	554
1968...	26	79	30	62	36	109	13	13	64	36	15	47	135	206	90	98	529
1969...	29	34	58	27	50	77	17	11	129	24	27	14	121	154	157	65	497
1970...	38	28	28	21	21	54	8	31	86	56	35	53	94	96	125	144	459
1971...	17	27	28	37	18	71	5	4	5	30	59	18	72	126	14	103	315
1972...	13	7	13	37	17	72	6	18	140	15	40	33	33	126	164	69	411
1973...	14	11	11	12	15	54	50	24	27	116	21	56	36	81	101	193	411
1974...																	
1975...																	
632. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, OTHER HARD GOODS, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	108	169	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	202	532	124	219	1,077
1959...	...	...	...	...	...	...	...	...	...	...	...	...	271	472	175	175	1,093
1960...	...	...	...	...	...	...	...	...	...	...	...	...	242	486	175	178	1,081
1961...	...	...	...	...	...	...	...	...	...	...	...	...	311	525	171	348	1,395
1962...	...	...	...	...	...	...	...	...	...	...	...	...	380	653	226	335	1,594
1963...	...	...	...	...	...	...	...	...	...	...	...	...	401	629	255	260	1,545
1964...	...	...	...	...	...	...	...	...	...	...	...	...	387	577	316	356	1,638
1965...	...	...	...	...	...	...	...	...	...	...	...	...	296	751	583	670	2,300
1966...	197	224	300	395	397	823	132	181	207	290	255	286	721	1,615	520	831	3,667
1967...	255	294	307	240	333	764	155	251	204	210	136	208	856	1,337	610	554	3,357
1968...	214	269	276	252	285	601	86	147	295	200	157	211	759	1,138	528	568	2,923
1969...	161	143	193	163	171	325	125	115	164	430	116	101	497	659	404	647	2,207
1970...	114	95	104	122	113	341	56	89	100	185	93	203	313	576	245	461	1,615
1971...	97	169	112	128	101	222	91	94	90	184	113	133	374	651	275	430	1,530
1972...	92	135	135	132	169	399	62	106	111	107	111	115	362	700	279	333	1,574
1973...	140	141	130	145	128	393	65	117	106	133	142	108	411	666	288	363	1,748
1974...																	
1975...																	

NOTE: These series contain no revisions but are reprinted for the convenience of the user. Seasonally adjusted data for these series are shown on page 36.

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Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual			
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q				
633. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SOFT GOODS, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	TOTAL FOR PERIOD			
1957...	529	376	...			
1958...	...	...	...	...	...	...	...	...	...	...	...	...	...	341	704	1,763
1959...	...	...	...	...	...	...	...	...	...	...	...	...	...	288	628	1,536
1960...	...	...	...	...	...	...	...	...	...	...	...	...	...	292	618	1,499
1961...	...	...	...	...	...	...	...	...	...	...	...	...	...	322	699	1,664
1962...	...	...	...	...	...	...	...	...	...	...	...	...	...	471	571	1,869
1963...	...	...	...	...	...	...	...	...	...	...	...	...	...	381	657	1,641
1964...	...	...	...	...	...	...	...	...	...	...	...	...	...	455	707	1,901
1965...	...	...	...	...	...	...	...	...	...	...	...	...	...	364	877	2,296
1966...	170	213	326	241	299	381	633	233	211	238	231	520	709	921	1,077	3,696				
1967...	251	192	194	171	199	281	587	279	188	175	118	198	637	651	1,054	491				
1968...	437	139	202	218	211	212	598	139	225	224	166	433	778	641	962	3,204				
1969...	218	170	199	178	169	219	673	138	142	180	153	176	587	566	953	509				
1970...	295	102	154	124	102	166	488	113	123	103	117	365	551	392	724	585				
1971...	89	96	122	132	125	158	607	126	113	96	118	327	307	415	846	541				
1972...	115	121	125	120	155	141	179	127	111	111	85	358	361	416	851	554				
1973...	141	112	102	113	97	158	489	177	186	154	235	228	355	368	852	617				
1974...																				
1975...																				
634. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CONSTRUCTION, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	TOTAL FOR PERIOD			
1957...	170	109	...			
1958...	255	991	241	2,708			
1959...	307	641	167	1,363			
1960...	318	474	154	1,170			
1961...	348	460	231	1,292			
1962...	336	392	121	1,165			
1963...	312	385	261	1,154			
1964...	477	426	241	1,502			
1965...	379	347	184	1,159			
1966...	77	55	75	81	100	211	74	72	51	41	51	57	207	392	197	945				
1967...	106	59	67	126	159	339	56	100	75	55	44	113	232	624	231	212				
1968...	61	53	67	39	195	406	51	78	151	80	89	63	181	640	280	232				
1969...	170	76	90	97	96	307	33	85	49	44	31	32	336	500	167	107				
1970...	62	55	202	73	71	310	34	65	83	75	67	105	299	454	182	247				
1971...	103	65	108	160	165	298	40	73	123	80	41	127	276	623	236	248				
1972...	74	177	144	147	174	470	138	103	64	77	88	69	395	791	305	234				
1973...	103	205	131	153	151	493	34	111	101	147	54	86	439	797	246	287				
1974...																				
1975...																				
635. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SERVICES, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	TOTAL FOR PERIOD			
1957...	787	665	...			
1958...	471	797	743	2,607			
1959...	205	331	616	2,781			
1960...	202	425	402	1,666			
1961...	151	371	313	2,096			
1962...	198	318	450	1,288			
1963...	302	430	577	3,911			
1964...	353	479	472	2,554			
1965...	348	666	802	2,342			
1966...	164	123	105	88	99	397	871	198	380	234	119	153	392	584	1,449	506				
1967...	151	245	85	138	143	274	695	269	219	216	175	343	481	555	1,483	734				
1968...	163	141	184	162	116	433	910	254	234	188	105	219	488	711	1,496	512				
1969...	133	436	148	158	111	373	730	550	183	116	117	130	717	642	1,463	363				
1970...	94	501	153	142	123	399	438	342	303	317	322	163	748	664	1,083	802				
1971...	93	136	148	173	143	372	540	274	236	399	198	172	377	688	1,050	769				
1972...	135	148	143	118	161	440	347	325	167	571	132	155	426	721	839	858				
1973...	154	140	152	195	137	446	341	265	252	388	161	178	446	778	658	727				
1974...																				
1975...																				
636. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CONTRACTS UNDER \$10,000, NOT SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)																	TOTAL FOR PERIOD			
1957...	265	269	...			
1958...	320	370	1,184			
1959...	366	446	346	1,528			
1960...	371	458	356	1,558			
1961...	409	526	394	1,771			
1962...	592	689	502	2,365			
1963...	656	850	562	2,676			
1964...	761	780	617	2,835			
1965...	705	866	669	3,045			
1966...	274	345	345	334	339	568	193	294	362	379	326	349	936	1,241	849	1,054				
1967...	331	313	369	358	326	611	184	271	324	261	280	280	1,013	1,295	779	821				
1968...	261	305	325	324	346	519	166	259	282	329	265	275	891	1,189	707	869				
1969...	347	238	321	316	337	530	170	249	290	253	288	281	906	1,183	709	822				
1970...	201	261	251	276	340	568	127	209	276	296	251	281	713	1,184	612	828				
1971...	293	237	303	327	299	536	149	297	305	297	269	275	833	1,162	751	841				
1972...	327	289	317	300	318	516	159	279	348	277	313	255	933	1,134	786	845				
1973...	341	320	334	356	319	551	225	210	390	319	335	326	995	1,226	825	980				
1974...																				
1975...																				

NOTE: These series contain no revisions but are reprinted for the convenience of the user. Seasonally adjusted data for these series are shown on pages 36 and 37.

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Appendix C. HISTORICAL DATA—Continued

Year	Monthly												Quarterly				Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	I Q	II Q	III Q	IV Q	
637. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, EDUCATIONAL AND NONPROFIT INSTITUTIONS, NOT SEASONALLY ADJUSTED ¹ (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	62	83	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	103	148	83	94	428
1959...	...	...	...	...	...	...	...	...	...	...	...	...	126	96	90	87	399
1960...	...	...	...	...	...	...	...	...	...	...	...	...	80	122	95	98	395
1961...	...	...	...	...	...	...	...	...	...	...	...	...	122	117	82	123	444
1962...	...	...	...	...	...	...	...	...	...	...	...	...	131	161	96	183	571
1963...	...	...	...	...	...	...	...	...	...	...	...	...	166	175	174	193	708
1964...	...	...	...	...	...	...	...	...	...	...	...	...	136	185	139	210	670
1965...	...	...	...	...	...	...	...	...	...	...	...	...	171	218	114	146	649
1966...	75	49	74	57	42	115	68	64	65	45	39	35	198	214	197	110	728
1967...	105	38	92	28	40	128	61	103	69	51	63	35	235	205	233	149	822
1968...	95	84	40	52	30	88	62	45	82	68	75	53	219	170	189	196	774
1969...	56	76	34	66	38	104	69	70	76	75	68	33	166	208	215	176	765
1970...	48	61	59	43	44	94	43	58	49	59	79	87	168	181	150	225	724
1971...	61	53	54	28	33	98	64	61	31	89	84	96	168	159	156	269	752
1972...	46	37	58	43	46	96	87	61	79	69	114	43	141	185	227	226	779
1973...	41	45	43	46	35	76	61	123	86	85	87	29	129	157	270	201	757
1974...																	
1975...																	
638. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CIVILIAN HEALTH AND MEDICAL PROGRAM OF THE UNIFORMED SERVICES (CHAMPUS), NOT SEASONALLY ADJUSTED ² (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1972...	...	...	...	...	...	...	...	...	...	0	260	0	...	...	...	260	...
1973...	34	0	13	10	-1	0	0	10	229	35	0	13	47	9	239	48	343
1974...																	
1975...																	
640. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK OUTSIDE THE UNITED STATES, NOT SEASONALLY ADJUSTED ¹ (MILLIONS OF DOLLARS)													TOTAL FOR PERIOD				
1957...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	260	326	...
1958...	...	...	...	...	...	...	...	...	...	...	...	...	757	601	395	312	2,065
1959...	...	...	...	...	...	...	...	...	...	...	...	...	261	442	383	253	1,339
1960...	...	...	...	...	...	...	...	...	...	...	...	...	208	382	342	266	1,198
1961...	...	...	...	...	...	...	...	...	...	...	...	...	260	413	371	275	1,319
1962...	...	...	...	...	...	...	...	...	...	...	...	...	280	528	392	287	1,487
1963...	...	...	...	...	...	...	...	...	...	...	...	...	220	376	449	322	1,367
1964...	...	...	...	...	...	...	...	...	...	...	...	...	276	276	446	271	1,269
1965...	...	...	...	...	...	...	...	...	...	...	...	...	226	423	531	284	1,464
1966...	190	177	154	117	656	423	379	194	283	239	183	250	521	1,195	856	672	3,244
1967...	184	112	157	227	227	380	314	382	195	193	117	145	453	834	891	455	2,633
1968...	288	139	134	157	135	315	560	199	202	169	181	201	561	607	961	591	2,680
1969...	254	257	97	119	139	298	512	178	152	144	59	361	608	556	842	564	2,570
1970...	246	137	103	95	152	268	534	181	111	125	106	188	486	515	826	419	2,246
1971...	123	93	188	98	64	262	509	197	96	123	107	105	404	424	802	335	1,965
1972...	169	130	106	82	95	290	368	278	195	142	104	99	405	467	841	345	2,058
1973...	156	151	125	213	83	264	368	244	159	194	240	186	432	560	771	620	2,383
1974...																	
1975...																	

Note: These series contain no revisions but are reprinted for the convenience of the user.

(JULY 1975)

¹Seasonally adjusted data for this series are shown on page 37.

²This series is shown in this appendix for the first time.

Appendix C. HISTORICAL DATA—Continued

Year	Quarterly				Annual	Year	Quarterly				Annual	
	I Q	II Q	III Q	IV Q			I Q	II Q	III Q	IV Q		
626. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, AIRCRAFT, SEASONALLY ADJUSTED (MILLIONS OF DOLLARS)						627. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, MISSILE AND SPACE SYSTEMS, SEAS, ADJ. (MILLION DOL.)						
1957.....	...	...	1,245	2,195		1957.....	...	...	217	593	
1958.....	1,978	1,847	1,465	1,768		1958.....	851	1,008	853	1,154		
1959.....	1,741	1,532	1,481	1,007		1959.....	1,112	1,289	883	1,410		
1960.....	1,177	1,222	1,496	1,086		1960.....	1,251	1,368	1,655	1,301		
1961.....	932	1,469	903	1,493		1961.....	1,474	1,528	1,549	1,627		
1962.....	1,693	1,051	1,061	1,757		1962.....	1,887	1,661	1,516	1,588		
1963.....	1,222	1,439	1,679	1,200		1963.....	2,162	1,747	1,441	1,523		
1964.....	1,835	1,255	1,266	1,186		1964.....	1,201	1,410	1,183	759		
1965.....	1,196	2,017	1,421	1,669		1965.....	1,334	942	970	1,160		
1966.....	2,108	2,515	2,715	2,521		1966.....	1,071	1,019	1,016	916		
1967.....	2,334	2,520	2,582	2,839		1967.....	1,276	1,230	1,224	1,121		
1968.....	1,728	2,476	2,214	2,160		1968.....	1,293	1,148	1,667	1,304		
1969.....	2,435	1,688	1,713	1,698		1969.....	1,000	1,205	1,070	1,360		
1970.....	1,821	1,764	1,947	2,017		1970.....	1,177	1,278	1,240	1,294		
1971.....	1,804	1,441	2,509	1,965		1971.....	1,040	993	1,252	1,207		
1972.....	1,981	2,129	1,964	1,584		1972.....	1,395	1,255	1,154	1,263		
1973.....	1,942	1,948	1,804	2,150		1973.....	1,306	967	1,200	1,138		
1974.....						1974.....						
1975.....						1975.....						
629. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, WEAPONS AND AMMUNITION, SEAS, ADJ. (MILLION DOL.)						630. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, ELECTRONIC AND COMMUNICATIONS EQUIP., SEAS, ADJ. (MIL. DOL.)						
1957.....	...	...	173	68		1957.....	...	...	276	335	
1958.....	126	141	102	115		1958.....	565	621	580	671		
1959.....	106	198	107	115		1959.....	435	721	728	808		
1960.....	141	195	221	136		1960.....	735	762	798	696		
1961.....	172	186	298	379		1961.....	871	787	515	1,153		
1962.....	278	227	219	282		1962.....	832	799	858	851		
1963.....	324	269	224	152		1963.....	774	676	749	661		
1964.....	296	220	256	254		1964.....	741	746	708	674		
1965.....	206	317	544	813		1965.....	635	730	784	860		
1966.....	674	1,116	909	842		1966.....	940	955	900	1,076		
1967.....	1,036	1,410	1,384	1,120		1967.....	1,049	1,139	1,060	940		
1968.....	1,261	1,402	1,728	1,873		1968.....	932	973	1,113	982		
1969.....	1,152	808	961	838		1969.....	911	938	837	984		
1970.....	842	777	454	629		1970.....	904	755	934	900		
1971.....	709	619	674	761		1971.....	856	683	1,236	744		
1972.....	779	734	562	614		1972.....	1,083	959	931	937		
1973.....	658	725	436	310		1973.....	939	959	990	900		
1974.....						1974.....						
1975.....						1975.....						
631. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, COMBAT VEHICLES, SEASONALLY ADJUSTED (MILLION DOL.)						632. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, OTHER HARD GOODS, SEASONALLY ADJUSTED (MILLION DOL.)						
1957.....	...	...	65	31		1957.....	...	...	193	233	
1958.....	71	79	64	7		1958.....	220	297	218	303		
1959.....	7	42	47	29		1959.....	293	267	302	241		
1960.....	43	79	25	46		1960.....	256	262	291	242		
1961.....	177	33	108	186		1961.....	324	314	271	515		
1962.....	149	121	168	156		1962.....	393	407	336	428		
1963.....	198	99	16	109		1963.....	424	402	362	318		
1964.....	100	70	48	53		1964.....	423	379	425	425		
1965.....	28	110	183	84		1965.....	333	502	746	787		
1966.....	157	160	155	197		1966.....	832	1,092	644	971		
1967.....	83	158	182	115		1967.....	942	897	621	645		
1968.....	169	149	90	125		1968.....	827	767	720	565		
1969.....	146	111	156	85		1969.....	535	491	584	611		
1970.....	111	69	124	190		1970.....	335	443	356	439		
1971.....	99	103	12	116		1971.....	402	353	401	412		
1972.....	51	103	131	96		1972.....	401	506	418	318		
1973.....	60	65	80	214		1973.....	458	480	432	365		
1974.....						1974.....						
1975.....						1975.....						
633. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SOFT GOODS, SEASONALLY ADJUSTED (MILLION DOLLARS)						634. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CONSTRUCTION, SEASONALLY ADJUSTED (MILLION DOLLARS)						
1957.....	...	...	333	394		1957.....	...	...	317	161	
1958.....	420	503	441	415		1958.....	270	541	444	322		
1959.....	367	396	392	381		1959.....	317	360	306	344		
1960.....	362	351	384	395		1960.....	314	283	269	295		
1961.....	384	391	434	438		1961.....	327	296	382	314		
1962.....	545	474	328	642		1962.....	306	274	186	374		
1963.....	434	373	419	398		1963.....	283	281	379	227		
1964.....	525	465	458	448		1964.....	450	310	337	423		
1965.....	429	484	578	768		1965.....	375	244	247	302		
1966.....	856	1,230	716	1,074		1966.....	230	251	257	193		
1967.....	780	772	780	895		1967.....	279	377	301	266		
1968.....	963	744	722	823		1968.....	227	375	364	325		
1969.....	732	650	720	507		1969.....	432	289	216	170		
1970.....	717	499	499	580		1970.....	363	254	241	399		
1971.....	409	536	577	529		1971.....	320	342	347	388		
1972.....	516	551	557	539		1972.....	434	440	465	368		
1973.....	519	488	553	600		1973.....	484	442	377	450		
1974.....						1974.....						
1975.....						1975.....						

Note: These series contain no revisions but are reprinted for the convenience of the user. Unadjusted data for these series are shown on pages 32-34.

(JULY 1975)

Appendix C. HISTORICAL DATA—Continued

Year	Quarterly				Annual	Year	Quarterly				Annual
	I Q	II Q	III Q	IV Q			I Q	II Q	III Q	IV Q	
635. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, SERVICES, SEASONALLY ADJUSTED (MILLION DOLLARS)						636. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, CONTRACTS UNDER \$10,000, SEAS. ADJ. (MILLION DOL.)					
1957.....	...	...	536	734	1957.....	...	...	298	287
1958.....	797	769	506	664	1958.....	328	378	361	396		
1959.....	345	316	421	316	1959.....	375	370	393	396		
1960.....	331	212	277	194	1960.....	377	379	408	430		
1961.....	235	347	216	316	1961.....	412	436	457	474		
1962.....	294	291	323	393	1962.....	592	570	586	647		
1963.....	431	391	419	479	1963.....	654	701	661	647		
1964.....	495	442	339	314	1964.....	763	641	729	716		
1965.....	485	637	552	668	1965.....	712	711	791	846		
1966.....	550	620	910	635	1966.....	953	1,016	1,002	1,107		
1967.....	721	619	692	934	1967.....	1,034	1,061	920	800		
1968.....	744	820	821	657	1968.....	910	975	835	909		
1969.....	1,045	755	914	414	1969.....	929	933	873	809		
1970.....	1,108	751	719	844	1970.....	730	916	768	368		
1971.....	572	749	740	758	1971.....	846	918	919	904		
1972.....	697	737	622	799	1972.....	942	901	954	911		
1973.....	755	776	653	663	1973.....	1,003	977	997	1,009		
1974.....					1974.....						
1975.....					1975.....						
637. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS, EDUCATIONAL AND NONPROFIT INST., SEAS. ADJ. (MIL. DOL.)					640. DEFENSE DEPARTMENT MILITARY PRIME CONTRACT AWARDS FOR WORK OUTSIDE THE U.S., SEASONALLY ADJUSTED (MIL. DOL.)						
1957.....	...	...	75	90	1957.....	...	...	261	304
1958.....	99	123	100	101	1958.....	947	447	390	309		
1959.....	121	80	109	91	1959.....	330	331	368	300		
1960.....	77	105	115	99	1960.....	268	291	316	316		
1961.....	119	102	100	120	1961.....	341	323	327	328		
1962.....	131	141	117	173	1962.....	375	426	327	349		
1963.....	170	153	212	182	1963.....	299	308	362	349		
1964.....	139	163	163	205	1964.....	383	227	349	347		
1965.....	174	193	128	149	1965.....	319	346	407	374		
1966.....	188	197	212	132	1966.....	749	966	645	916		
1967.....	214	192	244	173	1967.....	577	722	681	608		
1968.....	194	163	185	200	1968.....	695	538	734	729		
1969.....	163	211	217	168	1969.....	742	554	615	704		
1970.....	174	184	154	203	1970.....	574	571	508	542		
1971.....	181	161	164	234	1971.....	484	484	525	437		
1972.....	155	187	220	192	1972.....	492	536	545	455		
1973.....	152	168	259	169	1973.....	527	645	497	833		
1974.....					1974.....						
1975.....					1975.....						

Note: These series contain no revisions but are reprinted for the convenience of the user. Unadjusted data for these series are shown on pages 34 and 35.

(JULY 1975)



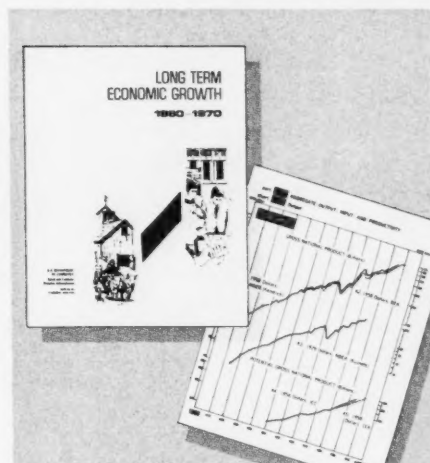
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ALPHABETICAL INDEX—SERIES FINDING GUIDE

Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)	Series title	Series number	Current issue (page numbers)		Historical data (issue date)	Series descriptions (issue date)
		Charts	Tables					Charts	Tables		
Accession rate, defense products industries	654	8	21	4/75	4/73	Inventories, manufacturers'	659	9	22	8/74	2/73
Aerospace industries						Defense products	658	9	...	1/72	2/73
Manufacturers' new orders from U.S. Government	650	See New orders.				Defense products industries	693	12	26	8/74	2/73
Manufacturers' shipments to U.S. Government	689	See Shipments.				Ratio to shipments, defense products	692	12	...	11/72	2/73
Manufacturers' unfilled orders from U.S. Government	664	See Unfilled orders.				Ratio to shipments, defense products industries					
Balance of payments (defense-related)						Layoff rate, defense products industries	655	8	21	4/75	4/73
Cash receipts associated with military sales contracts	696	13	27	9/71	10/73	Man-hours, defense products industries	673	10	23	5/75	4/73
Direct defense expenditures	547	13	27	9/71	10/73	Manpower—See Civilian manpower and Military manpower.					
Transfers under military agency sales contracts	546	13	27	9/74	10/73	Military manpower, Defense Department	677	10	24	8/74	8/68
Budget outlays for national defense function	683	See Outlays.				Military prime contract awards—See Contract awards.					
Cash receipts associated with military sales contracts	696	See Balance of payments.				Net outlays, Defense Department—See Outlays.					
Civilian manpower, Defense Department	678	10	24	8/74	8/68	New orders, manufacturers'					
Compensation						Defense products	648	7	20	8/74	2/73
Payrolls, aggregate weekly, defense products industries	675	10	23	5/75	4/73	Defense products industries	647	7	...	11/72	2/73
Personnel compensation, Defense Department	685	11	25	5/75	8/68	From Government, aerospace industries	650	8	20	5/75	2/73
Contract awards, military prime						Obligations incurred, gross					
Aircraft	626	...	16	7/75	8/68	Defense Department, operations	619	...	15	4/75	8/68
Civilian Health and Medical Program	638	...	19	7/75	...	Defense Department, procurement	621	6	15	1/75	8/68
Combat vehicles	631	...	17	7/75	8/68	Defense Department, total	617	6	15	4/75	8/68
Construction	634	...	18	7/75	8/68	Outside Government for national defense	623	6	16	4/75	10/73
Contracts under \$10,000	636	...	19	7/75	8/68	Obligations outstanding, gross unpaid					
Educational and nonprofit institutions	637	...	19	7/75	8/68	Defense Department, operations	644	...	20	4/75	8/68
Electronic and communications equipment	630	...	17	7/75	8/68	Defense Department, procurement	645	...	20	4/75	8/68
Movie and space systems	627	...	16	7/75	8/68	Defense Department, total	643	7	20	4/75	8/68
Other hand goods	632	...	18	7/75	8/68	Operations, Defense Department					
Services	635	...	18	7/75	8/68	Net outlays	681	See Outlays.			
Shops	628	...	17	7/75	8/68	Obligations incurred	619	See Obligations incurred.			
Soft goods	633	...	18	7/75	8/68	Unpaid obligations outstanding	644	See Obligations outstanding.			
Total	625	7	16	7/75	8/68	Orders—See New orders and Unfilled orders.					
Weapons and ammunition	629	...	17	7/75	8/68	Outlays					
Work outside the U.S.	640	...	19	7/75	8/68	Budget outlays for national defense function	683	11	25	5/75	10/73
Defense and space equipment, output						Defense Department, operations	681	...	24	5/75	8/68
Defense Department	657	See Output of defense and space equipment.				Defense Department, procurement	682	11	25	5/75	8/68
Gross obligations incurred—See Obligations incurred.						Defense Department, total	680	11	24	5/75	8/68
Gross unpaid obligations outstanding—See Obligations outstanding.						Output of defense and space equipment	657	9	22	8/74	10/73
Manpower—See Civilian manpower and Military manpower.						Overtime hours, defense products industries	653	8	21	4/75	4/73
Military prime contract awards—See Contract awards.						Payrolls, aggregate weekly, defense products industries	675	See Compensation.			
Net outlays—See Outlays.						Personnel compensation, Defense Department	685	See Compensation.			
Personnel compensation—See Compensation.	685	See Compensation.				Procurement, Defense Department					
Progress payments outstanding—See Progress payments.	666	See Progress payments.				Net outlays	682	See Outlays.			
Direct defense expenditures—See Balance of payments.	547	See Balance of payments.				Obligations incurred	621	See Obligations incurred.			
Employment						Unpaid obligations outstanding	645	See Obligations outstanding.			
Accession rate, defense products industries	654	See Accession rate.				Progress payments outstanding, Defense Department	666	9	22	5/75	8/68
Employment, production workers, defense products industries	671	10	23	5/75	4/73	Purchases of goods and services for national defense	264	See Gross national product.			
Layoff rate, defense products industries	670	10	22	5/75	4/73	Shipments, manufacturers'					
Man-hours, defense products industries	655	See Layoff rate.				Defense products	688	12	26	8/74	2/73
Manpower—See Civilian manpower and Military manpower.	673	See Man-hours.				Defense products industries	687	12	...	11/72	2/73
Overtime hours, defense products industries	653	See Overtime hours.				Ratio, inventories to shipments, defense products	693	See Inventories.			
Expenditures—See Outlays.						Ratio, inventories to shipments, defense products industries	692	See Unfilled orders.			
Federal purchases of goods and services for national defense	264	See Gross national product.				Ratio, unfilled orders to shipments, defense products	691	See Unfilled orders.			
Gross national product						Ratio, unfilled orders to shipments, defense products industries	690	See Unfilled orders.			
Federal purchases of goods and services for national defense	264	5	14	9/71	10/73	To Government, aerospace industries	689	12	26	5/75	2/73
Gross national product	200	5	14	9/74	10/73	Transfers under military agency sales contracts	546	See Balance of payments.			
National defense purchases as percent of GNP	613	5	14	9/74	10/73	Unfilled orders, manufacturers'					
Gross obligations incurred—See Obligations incurred.						Defense products	661	9	22	8/74	2/73
Gross unpaid obligations outstanding—See Obligations outstanding.						Defense products industries	660	9	...	7/71	2/73
						From Government, aerospace industries	664	9	22	5/75	2/73
						Ratio to shipments, defense products	691	12	26	8/74	2/73
						Ratio to shipments, defense products industries	690	12	...	11/72	2/73
						Unpaid obligations outstanding—See Obligations outstanding.					



